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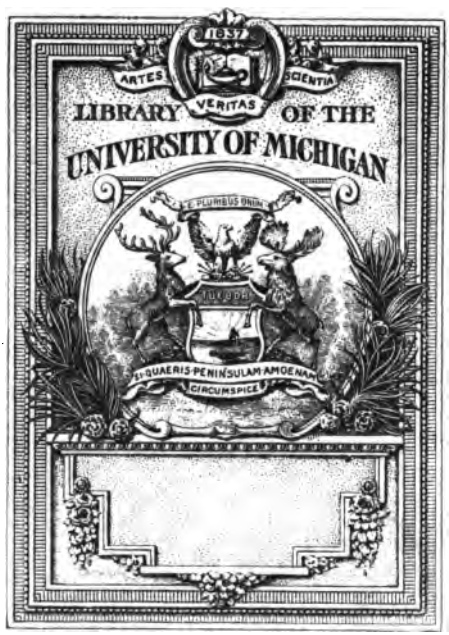
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DEPARTMENT OF THE INTERIOR.
UNITED STATES GEOLOGICAL SURVEY OF THE TERRITORIES.
F. V. HAYDEN, U. S. GEOLOGIST IN CHARGE.

MISCELLANEOUS PUBLICATIONS—No. 2.

# METEOROLOGICAL OBSERVATIONS,

DURING

## THE YEAR 1872,

IN

## UTAH, IDAHO, AND MONTANA.

PREPARED FOR PUBLICATION BY

HENRY GANNETT, Assistant.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1873.

The following observations comprise the meteorological work of the Survey during the year 1872.

The instruments used were Green's mountain barometers, and thermometers by the same maker.

The observations at Fort Hall were made by Mr. William Nicholson, of the Survey. They were made hourly from 7 a. m. to 9 p. m. from June 3 to June 25, and from July 13 to October 18.

The observations at Bozeman, Montana, were made by Mr. Peter Koch, a citizen of Bozeman. They were made at 7 a. m. 2 and 9 p. m., from November 1 to March 22.

The observations at the camps were made under the supervision of Mr. Rudolph Herring and myself.

The dew-point and relative humidity were taken from Glaisher's tables, as published by the Smithsonian Institution.

201475

## *Fort Hall, Idaho.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 3 | 6.00 a. m. | 25.318 | 51.0 | 44.9 | ..... | ..... | 39 | 0.66 | ..... | 0 | ..... | ..... | 0 | Hazy. |
| | 7.00 a. m. | .323 | 59.9 | 49.6 | ..... | ..... | 43 | 0.56 | ..... | 0 | ..... | ..... | 0 | Very little dew. |
| | 8.00 a. m. | .316 | 57.2 | 48.7 | ..... | ..... | 43 | 0.63 | ..... | 0 | ..... | ..... | 0 | Elevation 4,754 feet. |
| | 9.00 a. m. | .314 | 61.2 | 50.8 | ..... | ..... | 44 | 0.56 | W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .316 | 64.8 | 54.0 | ..... | ..... | 47 | 0.55 | W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .312 | 70.1 | 57.2 | ..... | ..... | 51 | 0.52 | W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .303 | 74.0 | 59.5 | ..... | ..... | 53 | 0.50 | W. | 1 | Cumulo-stratus ..... | ..... | 1 | |
| | 1.00 p. m. | .265 | 77.0 | 58.2 | ..... | ..... | 49 | 0.39 | W. | 1 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .271 | 79.0 | 57.6 | ..... | ..... | 48 | 0.35 | S. W. | 2 | Cumulus..... | ..... | 2 | |
| | 3.00 p. m. | .259 | 78.5 | 59.8 | ..... | ..... | 51 | 0.39 | S. W. | 2 | .....do ..... | ..... | 2 | |
| | 4.00 p. m. | .241 | 80.5 | 58.5 | ..... | ..... | 48 | 0.34 | S. W. | 2 | .....do ..... | ..... | 2 | |
| | 5.00 p. m. | .231 | 82.3 | 60.9 | ..... | ..... | 51 | 0.36 | ..... | 0 | .....do ..... | ..... | 2 | |
| | 6.00 p. m. | .226 | 81.0 | 60.0 | ..... | ..... | 50 | 0.36 | S. E. | 1 | Cumulo-stratus ..... | ..... | 1 | |
| | 7.00 p. m. | .239 | 69.0 | 55.1 | ..... | ..... | 47 | 0.47 | N. E. | 2 | .....do ..... | ..... | 3 | Showers in S. E. in afternoon. |
| | 8.00 p. m. | .258 | 62.8 | 53.0 | ..... | ..... | 46 | 0.56 | W. | 2 | .....do ..... | ..... | 4 | |
| | 9.00 p. m. | .269 | 61.0 | 53.8 | ..... | ..... | 49 | 0.67 | S. | 1 | .....do ..... | ..... | 2 | Lightning in southeast. |
| | 10.00 p. m. | .281 | 57.0 | 52.0 | ..... | ..... | 49 | 0.75 | E. | 2 | Stratus ..... | ..... | 1 | |
| | 11.00 p. m. | .275 | 53.0 | 50.5 | ..... | ..... | 49 | 0.87 | S. | 1 | .....do ..... | ..... | 1 | |
| | 12.00 p. m. | .276 | 50.0 | 46.5 | ..... | ..... | 44 | 0.81 | ..... | 0 | .....do ..... | ..... | 1 | |
| June 4 | 1.00 a. m. | .279 | 51.6 | 49.5 | ..... | ..... | 48 | 0.87 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 a. m. | .277 | 52.8 | 48.0 | ..... | ..... | 43 | 0.71 | ..... | 0 | Stratus, cumulus..... | ..... | 8 | |
| | 3.00 a. m. | .268 | 53.0 | 46.8 | ..... | ..... | 41 | 0.66 | ..... | 0 | .....do ..... | ..... | 2 | |
| | 4.00 a. m. | .262 | 59.3 | 48.8 | ..... | ..... | 42 | 0.56 | ..... | 0 | Cumulo-stratus ..... | ..... | 2 | |
| | 5.00 a. m. | .271 | 59.2 | 50.4 | ..... | ..... | 44 | 0.60 | ..... | 0 | .....do ..... | ..... | 5 | |
| | 6.00 a. m. | .264 | 73.7 | 57.9 | ..... | ..... | 50 | 0.45 | E. | 2 | Cumulus..... | ..... | 3 | |
| | 7.00 a. m. | .276 | 77.8 | 62.1 | ..... | ..... | 54 | 0.45 | ..... | 0 | Cirro-stratus..... | ..... | 2 | |
| | 8.00 a. m. | .267 | 72.6 | 57.4 | ..... | ..... | 49 | 0.45 | S. W. | 1 | Cumulo-stratus ..... | ..... | 1 | |
| | 9.00 a. m. | .266 | 75.2 | 60.0 | ..... | ..... | 53 | 0.48 | S. W. | 2 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .259 | 75.8 | 61.0 | ..... | ..... | 54 | 0.48 | S. W. | 1 | .....do ..... | ..... | 1 | |
| | 11.00 a. m. | .255 | 81.5 | 62.0 | ..... | ..... | 52 | 0.37 | S. | 4 | Cirrus, cumulus..... | ..... | 6 | |
| | 12.00 m ... | .249 | 81.0 | 62.8 | ..... | ..... | 54 | 0.41 | S. | 5 | .....do ..... | ..... | 5 | |
| | 1.00 p. m. | .239 | 81.8 | 62.4 | ..... | ..... | 52 | 0.37 | S. | 5 | .....do ..... | ..... | 5 | |
| | 2.00 p. m. | .228 | 80.6 | 62.5 | ..... | ..... | 54 | 0.41 | S. W. | 5 | .....do ..... | ..... | 5 | |
| | 3.00 p. m. | .206 | 78.6 | 60.5 | ..... | ..... | 52 | 0.41 | W. | 5 | .....do ..... | ..... | 5 | |
| | 4.00 p. m. | .200 | 80.0 | 60.0 | ..... | ..... | 50 | 0.37 | W. | 3 | Cirro-cumulus ..... | ..... | 4 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5.00 p. m. | .194 | 79.0 | 59.0 | ..... | ..... | 49 | 0.37 | S. W. | 3 | .....do..... | ..... | 4 | |
| | 6.00 p. m. | .194 | 70.0 | 58.5 | ..... | ..... | 54 | 0.58 | N. E. | 4 | .....do..... | ..... | 3 | |
| | 7.00 p. m. | .199 | 65.2 | 52.4 | ..... | ..... | 44 | 0.49 | N. E. | 4 | .....do..... | ..... | 1 | |
| | 8.00 p. m. | .197 | 63.0 | 51.5 | ..... | ..... | 44 | 0.53 | E. | 1 | Cumulo-stratus..... | ..... | 1 | |
| | 9.00 p. m. | .188 | 61.0 | 50.2 | ..... | ..... | 42 | 0.53 | S. E. | 5 | .....do..... | ..... | 1 | |
| | 10.00 p. m. | .191 | 61.0 | 51.0 | ..... | ..... | 44 | 0.56 | S. E. | 2 | .....do..... | ..... | 1 | |
| June 5 | 4.00 a. m. | .175 | 59.0 | 50.6 | ..... | ..... | 45 | 0.63 | E. | 2 | Cirro-stratus..... | ..... | 1 | |
| | 5.00 a. m. | .164 | 57.0 | 52.5 | ..... | ..... | 50 | 0.80 | ..... | 0 | Stratus..... | ..... | 10 | Raining heavily. |
| | 6.00 a. m. | .170 | 55.0 | 51.0 | ..... | ..... | 48 | 0.79 | E. | 3 | Nimbus..... | ..... | 10 | Do. |
| | 7.00 a. m. | .199 | 52.0 | 51.5 | ..... | ..... | 51 | 0.97 | E. | 2 | .....do..... | ..... | 10 | Do. |
| | 8.00 a. m. | .190 | 54.0 | 53.0 | ..... | ..... | 52 | 0.93 | ..... | 0 | Nimbus, stratus..... | ..... | 9 | Clearing. |
| | 9.00 a. m. | .187 | 62.2 | 56.2 | ..... | ..... | 52 | 0.71 | N. W. | 1 | Cumulo-stratus..... | ..... | 8 | |
| | 10.00 a. m. | .184 | 63.0 | 56.1 | ..... | ..... | 51 | 0.67 | N. W. | 1 | Cirro-cumulus..... | ..... | 3 | |
| | 11.00 a. m. | .179 | 64.8 | 55.6 | ..... | ..... | 51 | 0.62 | N. W. | 1 | .....do..... | ..... | 8 | |
| | 12.00 m ... | .180 | 76.0 | 56.0 | ..... | ..... | 46 | 0.37 | N. E. | 1 | .....do..... | ..... | 6 | |
| | 1.00 p. m. | .176 | 64.7 | 54.8 | ..... | ..... | 49 | 0.58 | ..... | 0 | .....do..... | ..... | 6 | |
| | 2.00 p. m. | .165 | 70.0 | 55.4 | ..... | ..... | 48 | 0.47 | N. W. | 1 | Nimbus, cumulus..... | ..... | 5 | Thunder-showers in S. E. |
| | 3.00 p. m. | .169 | 67.0 | 55.0 | ..... | ..... | 48 | 0.52 | S. | 2 | .....do..... | ..... | 7 | |
| | 4.00 p. m. | .177 | 56.8 | 50.0 | ..... | ..... | 45 | 0.67 | S. W. | 5 | .....do..... | ..... | 8 | Snow-storm on Mt. Putnam. |
| | 5.00 p. m. | .169 | 60.0 | 52.0 | ..... | ..... | 46 | 0.63 | S. W. | 2 | Cirro-cumulus..... | ..... | 5 | |
| | 6.00 p. m. | .160 | 63.0 | 53.8 | ..... | ..... | 48 | 0.60 | E. | 1 | .....do..... | ..... | 5 | |
| | 7.00 p. m. | .164 | 58.0 | 52.6 | ..... | ..... | 50 | 0.75 | ..... | 1 | .....do..... | ..... | 4 | |
| | 8.00 p. m. | .174 | 55.4 | 50.8 | ..... | ..... | 48 | 0.79 | ..... | 0 | .....do..... | ..... | 4 | |
| | 9.00 p. m | .169 | 51.0 | 47.3 | ..... | ..... | 43 | 0.76 | ..... | 0 | .....do..... | ..... | 4 | |
| | 10.00 p. m. | .172 | 50.2 | 47.0 | ..... | ..... | 44 | 0.81 | ..... | 0 | Stratus..... | ..... | 1 | |
| June 6 | 4.00 a. m. | .186 | 46.4 | 43.8 | ..... | ..... | 42 | 0.86 | ..... | 0 | Cumulo-stratus..... | ..... | 1 | |
| | 7.00 a. m. | .226 | 57.7 | 49.5 | ..... | ..... | 44 | 0.63 | S. W. | 3 | .....do..... | ..... | 4 | |
| | 8.00 a. m. | .232 | 59.3 | 50.5 | ..... | ..... | 45 | 0.63 | S. W. | 3 | Stratus, cumulus..... | ..... | 2 | No dew. |
| | 9.00 a. m. | .233 | 62.0 | 52.0 | ..... | ..... | 45 | 0.56 | S. W. | 3 | .....do..... | ..... | 1 | |
| | 10.00 a. m. | .230 | 64.0 | 53.8 | ..... | ..... | 47 | 0.56 | S. W. | 3 | Cumulo-stratus..... | ..... | 1 | |
| | 11.00 a. m. | .222 | 67.8 | 54.0 | ..... | ..... | 46 | 0.47 | S. W. | 3 | .....do..... | ..... | 1 | |
| | 12.00 m . . | .211 | 70.0 | 55.3 | ..... | ..... | 48 | 0.47 | S. W. | 3 | Cirro-cumulus..... | ..... | 1 | |
| | 1.00 p. m. | .197 | 69.0 | 57.0 | ..... | ..... | 50 | 0.53 | W. | 3 | .....do..... | ..... | 1 | |
| | 2.00 p. m. | .184 | 72.0 | 53.6 | ..... | ..... | 45 | 0.41 | W. | 3 | .....do..... | ..... | 2 | |
| | 3.00 p. m. | .186 | 70.6 | 53.8 | ..... | ..... | 46 | 0.43 | S. W. | 2 | .....do..... | ..... | 6 | |
| | 4.00 p. m. | .184 | 71.0 | 53.5 | ..... | ..... | 46 | 0.43 | S. W. | 2 | .....do..... | ..... | 6 | |
| | 5.00 p. m. | .175 | 68.2 | 50.0 | ..... | ..... | 39 | 0.38 | S. W. | 4 | .....do..... | ..... | 2 | |
| | 6.00 p. m. | .176 | 66.0 | 49.2 | ..... | ..... | 39 | 0.40 | S. W. | 3 | .....do..... | ..... | 2 | |
| | 7.00 p. m. | .184 | 65.8 | 49.6 | ..... | ..... | 40 | 0.42 | W. | 1 | .....do..... | ..... | 1 | |
| | 8.00 p. m. | .183 | 62.0 | 45.4 | ..... | ..... | 33 | 0.37 | S. W. | 3 | Stratus, cumulus..... | ..... | 1 | |
| | 9.00 p. m. | .199 | 59.0 | 45.8 | ..... | ..... | 37 | 0.47 | S. W. | 5 | .....do..... | ..... | 2 | |
| | 10.00 p. m. | .219 | 56.6 | 44.0 | ..... | ..... | 35 | 0.47 | W. | 2 | .....do..... | ..... | 1 | |
| June 7 | 6.00 a. m. | .343 | 49.0 | 47.0 | ..... | ..... | 45 | 0.87 | ..... | 0 | Cumulo-stratus..... | ..... | 9 | |
| | 7.00 a. m. | .356 | 52.0 | 44.2 | ..... | ..... | 36 | 0.58 | N. W. | 1 | Stratus..... | ..... | 9 | |
| | 8.00 a. m. | .354 | 56.0 | 46.6 | ..... | ..... | 41 | 0.59 | N. W. | 1 | .....do..... | ..... | 9 | |
| | 9.00 a. m. | .354 | 59.5 | 47.4 | ..... | ..... | 38 | 0.47 | N. W. | 1 | .....do..... | ..... | 9 | |
| | 10.00 a. m. | .357 | 62.0 | 48.0 | ..... | ..... | 38 | 0.44 | N. W. | 1 | Cirro-stratus..... | ..... | 8 | |
| | 11.00 a. m. | .350 | 64.8 | 50.0 | ..... | ..... | 41 | 0.44 | N. W. | 1 | .....do..... | ..... | 7 | |
| | 12.00 m ... | .353 | 65.5 | 50.2 | ..... | ..... | 40 | 0.42 | ..... | 0 | .....do..... | ..... | 7 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 7 | 1.00 p. m. | 25.357 | 67.8 | 50.5 | ..... | ..... | 41 | 0.40 | ..... | 0 | Cirro-stratus | ..... | 8 | |
| | 2.00 p. m. | .358 | 68.2 | 50.2 | ..... | ..... | 39 | 0.38 | N. W. | 1 | .....do | ..... | 9 | |
| | 3.00 p. m. | .352 | 64.8 | 50.4 | ..... | ..... | 41 | 0.44 | N. W. | 1 | .....do | ..... | 8 | |
| | 4.00 p. m. | .346 | 70.0 | 53.4 | ..... | ..... | 45 | 0.43 | N. W. | 1 | .....do | ..... | 8 | |
| | 5.00 p. m. | .345 | 66.4 | 50.8 | ..... | ..... | 41 | 0.42 | ..... | 0 | .....do | ..... | 9 | |
| | 6.00 p. m. | .347 | 64.5 | 48.8 | ..... | ..... | 39 | 0.42 | E. | 1 | .....do | ..... | 8 | |
| | 7.00 p. m. | .355 | 60.0 | 50.0 | ..... | ..... | 43 | 0.56 | E. | 1 | .....do | ..... | 9 | |
| | 8.00 p. m. | .368 | 57.0 | 46.0 | ..... | ..... | 38 | 0.53 | ..... | 0 | .....do | ..... | 9 | |
| | 9.00 p. m. | .392 | 57.2 | 45.8 | ..... | ..... | 38 | 0.53 | N. W. | 2 | .....do | ..... | 9 | |
| | 10.00 p. m. | .403 | 53.0 | 44.0 | ..... | ..... | 35 | 0.54 | N. W. | 1 | .....do | ..... | 6 | |
| | 11.00 p. m. | .410 | 52.0 | 44.0 | ..... | ..... | 36 | 0.58 | N. W. | 1 | Cumulus | ..... | 3 | |
| June 8 | 6.00 a. m. | .508 | 46.4 | 44.6 | ..... | 41.6 | 44 | 0.93 | ..... | 0 | ..... | ..... | 0 | |
| | 7.00 a. m. | .508 | 51.8 | 47.1 | ..... | ..... | 42 | 0.71 | N. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .513 | 55.6 | 48.8 | ..... | ..... | 44 | 0.67 | N. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .518 | 59.8 | 50.6 | ..... | ..... | 45 | 0.60 | N. W. | 2 | Cumulus | ..... | 1 | |
| | 10.00 a. m. | .519 | 63.0 | 52.2 | ..... | ..... | 44 | 0.53 | N. | 1 | .....do | ..... | 3 | |
| | 12.00 m ... | .502 | 67.3 | 55.8 | ..... | ..... | 49 | 0.56 | N. | 1 | .....do | ..... | 3 | |
| | 1.00 p. m. | .492 | 69.7 | 53.3 | ..... | ..... | 45 | 0.43 | N. | 1 | .....do | ..... | 1 | |
| | 2.00 p. m. | .472 | 71.5 | 53.4 | ..... | ..... | 44 | 0.39 | N. E. | 1 | .....do | ..... | 2 | |
| | 4.00 p. m. | .451 | 71.5 | 54.0 | ..... | ..... | 45 | 0.41 | W. | 1 | ..... | ..... | 0 | |
| | 5.00 p. m. | .442 | 69.8 | 54.0 | ..... | ..... | 46 | 0.45 | N. E. | 1 | ..... | ..... | 0 | |
| | 6.00 p. m. | .434 | 68.0 | 51.0 | ..... | ..... | 41 | 0.40 | N. | 1 | ..... | ..... | 0 | |
| | 7.00 p. m. | .437 | 57.6 | 50.0 | ..... | ..... | 44 | 0.63 | N. W. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .445 | 55.8 | 47.0 | 73.8 | ..... | 41 | 0.60 | N. W. | 0 | Cirro-stratus | ..... | 1 | |
| | 12.00 p. m. | .452 | 53.4 | 45.5 | ..... | ..... | 39 | 0.62 | S. W. | 1 | .....do | ..... | 1 | |
| June 9 | 7.00 a. m. | .470 | 61.2 | 49.0 | ..... | 51.0 | 41 | 0.50 | W. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .459 | 64.0 | 50.0 | ..... | ..... | 40 | 0.45 | W. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .439 | 67.8 | 51.0 | ..... | ..... | 41 | 0.40 | W. | 3 | ..... | ..... | 0 | |
| | 10.00 a. m. | .439 | 69.8 | 52.5 | ..... | ..... | 45 | 0.43 | W. | 3 | ..... | ..... | 0 | |
| | 11.00 a. m. | .426 | 73.0 | 53.0 | ..... | ..... | 43 | 0.37 | W. | 3 | ..... | ..... | 0 | |
| | 12.00 m ... | .403 | 74.6 | 53.5 | ..... | ..... | 45 | 0.37 | S. W. | 2 | ..... | ..... | 0 | |
| | 1.00 p. m. | .391 | 76.0 | 53.5 | ..... | ..... | 43 | 0.33 | W. | 3 | ..... | ..... | 0 | |
| | 2.00 p. m. | .371 | 77.0 | 55.0 | ..... | ..... | 44 | 0.33 | W. | 3 | ..... | ..... | 0 | |
| | 3.00 p. m. | .338 | 78.2 | 54.0 | ..... | ..... | 42 | 0.30 | W. | 4 | ..... | ..... | 0 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 00 p. m. | .329 | 78.2 | 53.0 | ..... | ..... | 41 | 0.29 | S. W. | 4 | ..... | ..... | 0 | |
| | 5.00 p. m. | .308 | 77.0 | 52.5 | ..... | ..... | 41 | 0.30 | S. W. | 4 | ..... | ..... | 0 | |
| | 6.00 p. m. | .289 | 74.5 | 52.0 | ..... | ..... | 41 | 0.32 | S. W. | 4 | ..... | ..... | 0 | |
| | 7.00 p. m. | .288 | 69.4 | 52.0 | ..... | ..... | 42 | 0.40 | S. W. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .288 | 63.0 | 49.0 | ..... | ..... | 39 | 0.45 | S. W. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .294 | 63.8 | 49.0 | 79.0 | ..... | 39 | 0.42 | S. W. | 1 | ..... | ..... | 0 | |
| | 10.00 p. m. | .280 | 66.0 | 48.8 | ..... | ..... | 39 | 0.40 | S. W. | 3 | ..... | ..... | 0 | |
| | 11.00 p. m. | .277 | 64.8 | 49.0 | ..... | ..... | 39 | 0.42 | S. W. | 4 | ..... | ..... | 0 | |
| June 10 | 7.00 a. m. | .238 | 70.6 | 52.2 | ..... | 57.0 | 43 | 0.38 | S. W. | 3 | ..... | ..... | 0 | |
| | 8.00 a. m. | .230 | 73.0 | 52.5 | ..... | ..... | 43 | 0.37 | S. S. W. | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .227 | 74.2 | 55.0 | ..... | ..... | 46 | 0.39 | S. W. | 3 | ..... | ..... | 0 | |
| | 10.00 a. m. | .226 | 76.2 | 54.6 | ..... | ..... | 45 | 0.35 | W. | 4 | ..... | ..... | 0 | |
| | 11.00 a. m. | .223 | 79.0 | 55.0 | ..... | ..... | 43 | 0.30 | W. | 5 | ..... | ..... | 0 | |
| | 12.00 m ... | .216 | 80.8 | 55.8 | ..... | ..... | 44 | 0.29 | W. | 5 | ..... | ..... | 0 | |
| | 1.00 p. m. | .219 | 80.5 | 55.5 | ..... | ..... | 44 | 0.29 | W. | 5 | ..... | ..... | 0 | |
| | 2.00 p. m. | .213 | 80.8 | 54.0 | ..... | ..... | 41 | 0.26 | W. | 5 | ..... | ..... | 0 | |
| | 3.00 p. m. | .203 | 80.5 | 55.0 | ..... | ..... | 42 | 0.27 | W. | 6 | ..... | ..... | 0 | |
| | 4.00 p. m. | .211 | 79.8 | 54.0 | ..... | ..... | 41 | 0.27 | W. | 6 | ..... | ..... | 0 | |
| | 5.00 p. m. | .210 | 79.0 | 54.0 | ..... | ..... | 42 | 0.28 | W. | 4 | ..... | ..... | 0 | |
| | 6.00 p. m. | .209 | 75.5 | 51.5 | ..... | ..... | 40 | 0.30 | W. | 3 | ..... | ..... | 0 | |
| | 7.00 p. m. | .212 | 71.2 | 50.6 | ..... | ..... | 41 | 0.36 | W. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .230 | 62.0 | 48.0 | 82.0 | ..... | 38 | 0.44 | W. | 1 | Cumulo-stratus ..... | ..... | 1 | |
| | 10.00 p. m. | .231 | 64.0 | 50.5 | ..... | ..... | 42 | 0.47 | W. | 1 | .....do ..... | ..... | 2 | |
| June 11 | 7.00 a. m. | .311 | 66.5 | 53.5 | ..... | 49.5 | 46 | 0.50 | N. E. | 1 | Cirro-cumulus ..... | ..... | 1 | |
| | 8.00 a. m. | .309 | 70.5 | 54.0 | ..... | ..... | 46 | 0.43 | W. | 2 | Cumulo-stratus ..... | ..... | 3 | |
| | 9.00 a. m. | .312 | 70.0 | 54.0 | ..... | ..... | 46 | 0.45 | W. | 2 | .....do ..... | ..... | 3 | |
| | 10.00 a. m. | .312 | 71.0 | 54.2 | ..... | ..... | 46 | 0.43 | W. | 2 | .....do ..... | ..... | 2 | |
| | 11.00 a. m. | .304 | 79.8 | 58.6 | ..... | ..... | 49 | 0.35 | S. W. | 2 | Cumulus..... | ..... | 1 | |
| | 12.00 m ... | .299 | 80.0 | 58.0 | ..... | ..... | 47 | 0.34 | S. W. | 2 | .....do ..... | ..... | 1 | |
| | 1.00 p. m. | .281 | 81.0 | 58.0 | ..... | ..... | 47 | 0.32 | S. W. | 3 | .....do ..... | ..... | 2 | |
| | 2.00 p. m. | .266 | 82.0 | 59.5 | ..... | ..... | 49 | 0.34 | W. | 3 | .....do ..... | ..... | 2 | |
| | 3.00 p. m. | .251 | 82.2 | 59.0 | ..... | ..... | 48 | 0.32 | W. | 2 | .....do ..... | ..... | 2 | |
| | 4.00 p. m. | .246 | 80.8 | 56.2 | ..... | ..... | 44 | 0.29 | W. | 3 | .....do ..... | ..... | 2 | |
| | 5.00 p. m. | .241 | 79.8 | 57.0 | ..... | ..... | 46 | 0.32 | W. | 3 | .....do ..... | ..... | 2 | |
| | 6.00 p. m. | .246 | 73.0 | 55.0 | ..... | ..... | 46 | 0.41 | W. | 2 | .....do ..... | ..... | 4 | |
| | 7.00 p. m. | .252 | 68.0 | 55.0 | ..... | ..... | 47 | 0.50 | W. | 1 | .....do ..... | ..... | 5 | |
| | 8.00 p. m. | .251 | 65.8 | 52.6 | ..... | ..... | 45 | 0.50 | S. W. | 1 | .....do ..... | ..... | 4 | |
| | 9.00 p. m. | .253 | 65.0 | 52.5 | 83.7 | ..... | 46 | 0.52 | S. W. | 1 | .....do ..... | ..... | 5 | |
| | 10.00 p. m. | .254 | 66.2 | 51.0 | ..... | ..... | 42 | 0.44 | ..... | ..... | ..... | ..... | ..... | |
| June 12 | 7.00 a. m. | .247 | 66.1 | 56.3 | ..... | 55.8 | 50 | 0.59 | S. W. | 1 | Cirro-cumulus ..... | ..... | 7 | |
| | 8.00 a. m. | .282 | 70.2 | 57.5 | ..... | ..... | 52 | 0.55 | N. W. | 2 | .....do ..... | ..... | 7 | |
| | 9.00 a. m. | .283 | 70.4 | 58.0 | ..... | ..... | 52 | 0.55 | N. E. | 4 | .....do ..... | ..... | 7 | |
| | 10.00 a. m. | .275 | 77.0 | 58.0 | ..... | ..... | 49 | 0.39 | N. | 3 | .....do ..... | ..... | 5 | |
| | 11.00 a. m. | .276 | 73.7 | 58.4 | ..... | ..... | 50 | 0.45 | N. | 2 | .....do ..... | ..... | 5 | Gusty. |
| | 12.00 m ... | .271 | 74.6 | 61.1 | ..... | ..... | 54 | 0.50 | N. | 2 | .....do ..... | ..... | 7 | |
| | 1.00 p. m. | .258 | 73.4 | 57.5 | ..... | ..... | 51 | 0.48 | N. | 4 | .....do ..... | ..... | 7 | |
| | 2.00 p. m. | .257 | 75.8 | 61.0 | ..... | ..... | 54 | 0.48 | N. W. | 3 | .....do ..... | ..... | 6 | Light shower at 1.30. |
| | 3.00 p. m. | .235 | 76.9 | 63.0 | ..... | ..... | 56 | 0.50 | ..... | 0 | Cumulus..... | ..... | 5 | Thunder and rain for 15 minutes. |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 12 | 4.00 p. m. | 25.211 | 72.8 | 59.0 | ..... | ..... | 52 | 0.50 | N. W. | 2 | Cumulus, nimbus | ..... | 8 | |
| | 5.00 p. m. | .309 | 57.0 | 54.0 | ..... | ..... | 52 | 0.84 | N. E. | 3 | Cumulus | ..... | 10 | |
| | 6.00 p. m. | .323 | 57.7 | 54.0 | ..... | ..... | 51 | 0.80 | N. W. | 2 | do | ..... | 7 | Shower ended at 5.30. |
| | 7.00 p. m. | .297 | 55.4 | 54.0 | ..... | ..... | 53 | 0.94 | ..... | 0 | do | ..... | 2 | |
| | 8.00 p. m. | .295 | 56.2 | 52.0 | ..... | ..... | 49 | 0.79 | E. N. E. | 1 | do | ..... | 2 | |
| | 9.00 p. m. | .335 | 52.8 | 51.0 | 80.0 | ..... | 49 | 0.87 | E. | 1 | ..... | ..... | 0 | |
| | 10.00 p. m. | .352 | 49.2 | 48.2 | ..... | ..... | 47 | 0.93 | S. E. | 2 | Cumulo-stratus | ..... | 1 | |
| | 11.00 p. m. | .344 | 50.0 | 49.1 | ..... | ..... | 48 | 0.93 | E. | 1 | Stratus | ..... | 1 | Hazy. |
| June 13 | 7.00 a. m. | .447 | 53.8 | 52.1 | ..... | 40.0 | 50 | 0.88 | N. | 1 | do | ..... | 2 | |
| | 8.00 a. m. | .400 | 59.0 | 55.0 | ..... | ..... | 52 | 0.80 | N. W. | 1 | Cirro-stratus | ..... | 3 | |
| | 9.00 a. m. | .393 | 61.4 | 57.2 | ..... | ..... | 54 | 0.80 | W. | 1 | do | ..... | 3 | |
| | 11.00 a. m. | .371 | 70.8 | 62.0 | ..... | ..... | 58 | 0.64 | ..... | 0 | Cumulo-stratus | ..... | 7 | |
| | 12.00 m ... | .359 | 71.8 | 58.2 | ..... | ..... | 51 | 0.50 | W. | 1 | do | ..... | 6 | |
| | 1.00 p. m. | .339 | 76.0 | 61.1 | ..... | ..... | 54 | 0.48 | ..... | 0 | do | ..... | 6 | |
| | 2.00 p. m. | .330 | 77.6 | 61.7 | ..... | ..... | 54 | 0.45 | W. | 1 | do | ..... | 4 | |
| | 3.00 p. m. | .323 | 74.6 | 61.0 | ..... | ..... | 54 | 0.50 | N. W. | 1 | do | ..... | 4 | |
| | 4.00 p. m. | .311 | 73.8 | 55.6 | ..... | ..... | 47 | 0.41 | N. W. | 1 | do | ..... | 4 | |
| | 5.00 p. m. | .287 | 71.6 | 54.5 | ..... | ..... | 47 | 0.43 | W. | 1 | do | ..... | 6 | |
| | 6.00 p. m. | .275 | 68.5 | 55.5 | ..... | ..... | 47 | 0.50 | S. | 1 | do | ..... | 4 | |
| | 7.00 p. m. | .273 | 65.0 | 55.0 | ..... | ..... | 49 | 0.58 | S. | 1 | do | ..... | 1 | |
| | 8.00 p. m. | .271 | 59.5 | 51.5 | ..... | ..... | 46 | 0.63 | E. | 1 | Cirro-cumulus | ..... | 1 | |
| | 9.00 p. m. | .277 | 58.5 | 50.5 | 80.4 | ..... | 45 | 0.63 | E. | 1 | Cumulo-stratus | ..... | 2 | |
| | 10.00 p. m. | .282 | 55.2 | 51.4 | ..... | ..... | 48 | 0.79 | E. | 1 | Stratus | ..... | 3 | |
| June 14 | 7.00 a. m. | .286 | 57.6 | 52.0 | ..... | 40.6 | 48 | 0.71 | N. W. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .282 | 63.0 | 56.0 | ..... | ..... | 51 | 0.67 | N. W. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .275 | 68.2 | 58.0 | ..... | ..... | 52 | 0.59 | N. W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .267 | 74.2 | 55.0 | ..... | ..... | 46 | 0.39 | S. W. | 2 | ..... | ..... | 0 | |
| | 11.00 a. m. | .248 | 76.8 | 56.4 | ..... | ..... | 46 | 0.35 | W. | 2 | ..... | ..... | 0 | |
| | 12.00 m ... | .234 | 79.3 | 58.2 | ..... | ..... | 48 | 0.35 | S. | 2 | Cumulus | ..... | 2 | |
| | 1.00 p. m. | .199 | 77.5 | 58.0 | ..... | ..... | 48 | 0.37 | S. E. | 2 | Cumulus, nimbus | ..... | 6 | Thunder and rain. |
| | 2.00 p. m. | .195 | 74.2 | 55.8 | ..... | ..... | 47 | 0.41 | S. | 3 | do | ..... | 8 | Do. |
| | 3.00 p. m. | .209 | 68.2 | 56.8 | ..... | ..... | 50 | 0.56 | W. | 3 | do | ..... | 8 | |
| | 4.00 p. m. | .190 | 68.5 | 54.8 | ..... | ..... | 47 | 6.47 | E. | 3 | Cumulo-stratus | ..... | 4 | |
| | 5.06 p. m. | .140 | 73.6 | 56.0 | ..... | ..... | 47 | 0.41 | E. | 4 | do | ..... | 2 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6.00 p. m. | .131 | 70.9 | 56.0 | ..... | ..... | 48 | 0.47 | E. | 2 | .....do ..... | ..... | 7 | |
| | 7.00 p. m. | .125 | 69.0 | 54.0 | ..... | ..... | 45 | 0.45 | E. | 2 | .....do ..... | ..... | 2 | |
| | 8.00 p. m. | .114 | 67.0 | 53.2 | ..... | ..... | 45 | 0.47 | E. | 2 | .....do ..... | ..... | 2 | |
| | 9.00 p. m. | .098 | 65.5 | 53.0 | 82.6 | ..... | 45 | 0.50 | E. | 3 | .....do ..... | ..... | 1 | |
| | 10.00 p. m. | .086 | 64.5 | 53.0 | ..... | ..... | 46 | 0.52 | E. | 3 | ..... | ..... | 0 | |
| June 15 | 8.00 a. m. | .146 | 68.0 | 53.5 | ..... | 51.0 | 46 | 0.47 | W. | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .143 | 69.0 | 53.8 | ..... | ..... | 45 | 0.48 | W. | 3 | ..... | ..... | 0 | |
| | 10.00 a. m. | .138 | 72.2 | 55.5 | ..... | ..... | 48 | 0.49 | W. | 2 | ..... | ..... | 0 | |
| | 11.00 a. m. | .136 | 75.1 | 54.2 | ..... | ..... | 44 | 0.35 | W. | 2 | ..... | ..... | 0 | |
| | 12.00 m ... | .132 | 72.2 | 52.0 | ..... | ..... | 42 | 0.37 | W. | 3 | ..... | ..... | 0 | |
| | 1.00 p. m. | .121 | 78.1 | 53.5 | ..... | ..... | 42 | 0.30 | W. | 2 | ..... | ..... | 0 | |
| | 2.00 p. m. | .116 | 79.5 | 55.0 | ..... | ..... | 43 | 0.29 | S. W. | 2 | ..... | ..... | 0 | |
| | 3.00 p. m. | .114 | 80.8 | 57.0 | ..... | ..... | 45 | 0.30 | W. | 1 | ..... | ..... | 0 | |
| | 4.00 p. m. | .093 | 80.6 | 54.6 | ..... | ..... | 42 | 0.27 | ..... | 0 | ..... | ..... | 0 | |
| | 5.00 p. m. | .079 | 78.6 | 55.0 | ..... | ..... | 43 | 0.30 | ..... | 0 | ..... | ..... | 0 | |
| | 6.00 p. m. | .072 | 75.2 | 58.5 | ..... | ..... | 51 | 0.45 | W. | 1 | ..... | ..... | 0 | |
| | 7.00 p. m. | .064 | 71.8 | 58.0 | ..... | ..... | 51 | 0.50 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 p. m. | .068 | 61.8 | 52.8 | ..... | ..... | 47 | 0.60 | ..... | 0 | Cirro-cumulus ..... | ..... | 1 | |
| | 9.00 p. m. | .065 | 59.6 | 49.8 | 82.6 | ..... | 43 | 0.56 | ..... | 0 | ..... | ..... | 0 | |
| | 10.00 p. m. | .054 | 54.8 | 46.0 | ..... | ..... | 40 | 0.59 | S. E. | 1 | ..... | ..... | 0 | |
| June 16 | 7.00 a. m. | .043 | 61.2 | 48.5 | ..... | 45.0 | 39 | 0.47 | S. W. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .048 | 63.1 | 50.5 | ..... | ..... | 43 | 0.50 | S. W. | 1 | Stratus ..... | ..... | 1 | |
| | 9.00 a. m. | .049 | 67.7 | 52.7 | ..... | ..... | 44 | 0.45 | S. W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .045 | 69.3 | 53.6 | ..... | ..... | 45 | 0.45 | S. W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .031 | 74.2 | 55.5 | ..... | ..... | 47 | 0.41 | S. W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .019 | 76.9 | 56.3 | ..... | ..... | 46 | 0.35 | W. | 1 | Cirro-stratus..... | ..... | 5 | |
| | 1.00 p. m. | .008 | 76.9 | 57.9 | ..... | ..... | 49 | 0.39 | W. | 1 | .....do ..... | ..... | 6 | |
| | 2.00 p. m. | 24.989 | 80.3 | 58.2 | ..... | ..... | 47 | 0.34 | S. W. | 2 | Cumulo-stratus ..... | ..... | 1 | |
| | 3.00 p. m. | .970 | 81.3 | 58.3 | ..... | ..... | 47 | 0.32 | S. W. | 2 | Cirro-cumulus ..... | ..... | 1 | |
| | 4.00 p. m. | .954 | 81.5 | 54.2 | ..... | ..... | 40 | 0.25 | S. W. | 3 | ..... | ..... | 0 | |
| | 5.00 p. m. | .937 | 78.6 | 55.5 | ..... | ..... | 45 | 0.32 | S. W. | 3 | ..... | ..... | 0 | |
| | 6.00 p. m. | .927 | 76.4 | 55.7 | ..... | ..... | 46 | 0.37 | S. W. | 1 | ..... | ..... | 0 | |
| | 7.00 p. m. | .925 | 71.5 | 54.9 | ..... | ..... | 47 | 0.43 | S. W. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .933 | 61.8 | 52.0 | ..... | ..... | 45 | 0.56 | S. E. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .933 | 58.2 | 49.0 | 82.0 | ..... | 43 | 0.60 | S. | 1 | ..... | ..... | 0 | |
| | 10.00 p. m. | .935 | 59.5 | 48.2 | ..... | ..... | 40 | 0.53 | S. E. | 1 | ..... | ..... | 0 | |
| June 17 | 6.00 a. m. | .904 | 58.0 | 46.0 | ..... | ..... | 38 | 0.50 | S. E. | 2 | ..... | ..... | 0 | |
| | 7.00 a. m. | .906 | 59.0 | 47.0 | ..... | 46.0 | 39 | 0.50 | S. W. | 3 | Cirro-stratus..... | ..... | 1 | |
| | 8.00 a. m. | .896 | 61.5 | 49.0 | ..... | ..... | 40 | 0.47 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 9.00 a. m. | .876 | 63.5 | 49.8 | ..... | ..... | 40 | 0.45 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .873 | 65.2 | 50.4 | ..... | ..... | 41 | 0.44 | W. | 3 | .....do ..... | ..... | 2 | |
| | 11.00 a. m. | .868 | 67.0 | 52.0 | ..... | ..... | 43 | 0.45 | W. | 4 | .....do ..... | ..... | 3 | |
| | 12.00 m ... | .869 | 66.4 | 52.2 | ..... | ..... | 44 | 0.47 | W. | 4 | .....do ..... | ..... | 7 | |
| | 1.00 p. m. | .862 | 66.4 | 50.2 | ..... | ..... | 40 | 0.42 | W. | 4 | .....do ..... | ..... | 8 | |
| | 2.00 p. m. | .856 | 66.2 | 50.0 | ..... | ..... | 40 | 0.42 | W. | 4 | .....do ..... | ..... | 8 | |
| | 3.00 p. m. | .857 | 63.8 | 48.0 | ..... | ..... | 37 | 0.40 | S. W. | 5 | .....do ..... | ..... | 9 | |
| | 4.00 p. m. | .922 | 60.2 | 46.0 | ..... | ..... | 36 | 0.44 | S. W. | 4 | Cumulus, nimbus ..... | ..... | 10 | Heavy mist in S. E. |
| | 5.00 p. m. | .929 | 60.2 | 46.0 | ..... | ..... | 36 | 0.44 | S. W. | 2 | .....do ..... | ..... | 10 | |
| | 6.00 p. m. | .933 | 59.2 | 46.8 | ..... | ..... | 39 | 0.50 | S. E. | 1 | .....do ..... | ..... | 10 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 17 | 7.00 p. m. | 24.969 | 57.0 | 46.5 | ..... | ..... | 40 | 0.56 | S. E. | 1 | Cumulus, nimbus | ..... | 10 | |
| | 8.00 p. m. | .987 | 55.2 | 45.0 | ..... | ..... | 38 | 0.56 | S. W. | 2 | ....do | ..... | 9 | |
| | 9.00 p. m. | 25.019 | 54.0 | 44.2 | 70.5 | ..... | 34 | 0.50 | S. W. | 1 | ....do | ..... | 9 | |
| June 18 | 7.00 a. m. | .219 | 49.0 | 45.5 | ..... | 41.8 | 43 | 0.81 | N. W. | 1 | Cirro-cumulus | ..... | 6 | Rain during the night. |
| | 8.00 a. m. | .239 | 48.2 | 45.6 | ..... | ..... | 44 | 0.87 | N. W. | 1 | ....do | ..... | 7 | |
| | 9.00 a. m. | .241 | 51.5 | 47.5 | ..... | ..... | 42 | 0.71 | N. W. | 1 | ....do | ..... | 5 | |
| | 10.00 a. m. | .246 | 52.7 | 47.5 | ..... | ..... | 43 | 0.71 | N. W. | 1 | ....do | ..... | 8 | |
| | 11.00 a. m. | .245 | 57.8 | 50.0 | ..... | ..... | 44 | 0.63 | N. W. | 1 | ....do | ..... | 8 | |
| | 12.00 m ... | .244 | 60.2 | 48.8 | ..... | ..... | 41 | 0.53 | W. | 1 | ....do | ..... | 8 | |
| | 1.00 p. m. | .249 | 55.0 | 44.2 | ..... | ..... | 36 | 0.53 | W. | 2 | ....do | ..... | 8 | |
| | 2.00 p. m. | .284 | 53.8 | 45.2 | ..... | ..... | 36 | 0.54 | W. | 3 | ....do | ..... | 9 | |
| | 3.00 p. m. | .293 | 53.2 | 43.8 | ..... | ..... | 35 | 0.54 | W. | 3 | ....do | ..... | 9 | |
| | 4.00 p. m. | .314 | 51.0 | 44.0 | ..... | ..... | 37 | 0.62 | N. E. | 3 | ....do | ..... | 9 | Violent N. W. wind at 3.15. |
| | 5.00 p. m. | .315 | 55.0 | 46.2 | ..... | ..... | 40 | 0.59 | E. | 1 | ....do | ..... | 3 | |
| | 6.00 p. m. | .318 | 54.7 | 46.0 | ..... | ..... | 40 | 0.59 | S. | 1 | ....do | ..... | 2 | |
| | 7.00 p. m. | .329 | 50.8 | 44.2 | ..... | ..... | 37 | 0.62 | E. | 1 | ....do | ..... | 3 | |
| | 8.00 p. m. | .331 | 48.2 | 43.5 | ..... | ..... | 40 | 0.75 | E. | 1 | ....do | ..... | 8 | |
| | 9.00 p. m. | .337 | 44.8 | 40.6 | 61.8 | ..... | 37 | 0.74 | E. | 1 | ....do | ..... | 4 | |
| | 10.00 p. m. | .352 | 42.5 | 39.2 | ..... | ..... | 34 | 0.74 | E. | 1 | ....do | ..... | 2 | |
| | 11.00 p. m. | .355 | 42.8 | 40.0 | ..... | ..... | 36 | 0.80 | E. | 1 | ....do | ..... | 3 | |
| June 19 | 7.00 a. m. | .406 | 52.0 | 42.5 | ..... | 40.6 | 34 | 0.54 | S. E. | 3 | Cumulus-stratus | ..... | 2 | |
| | 8.00 a. m. | .409 | 55.2 | 44.6 | ..... | ..... | 38 | 0.56 | S. W. | 4 | ....do | ..... | 2 | |
| | 9.00 a. m. | .410 | 58.0 | 45.5 | ..... | ..... | 38 | 0.50 | S. W. | 4 | ....do | ..... | 2 | |
| | 11.00 a. m. | .414 | 61.2 | 47.0 | ..... | ..... | 37 | 0.44 | W. | 2 | Cumulus | ..... | 3 | |
| | 12.00 m ... | .411 | 65.8 | 50.0 | ..... | ..... | 40 | 0.42 | W. | 3 | ....do | ..... | 3 | |
| | 1.00 p. m. | .409 | 64.2 | 47.0 | ..... | ..... | 35 | 0.37 | W. | 2 | ....do | ..... | 3 | |
| | 2.00 p. m. | .411 | 67.5 | 47.5 | ..... | ..... | 34 | 0.32 | W. | 3 | ....do | ..... | 5 | |
| | 3.00 p. m. | .404 | 69.2 | 49.0 | ..... | ..... | 37 | 0.34 | W. | 3 | ....do | ..... | 3 | |
| | 4.00 p. m. | .410 | 68.5 | 49.2 | ..... | ..... | 38 | 0.36 | W. | 3 | ....do | ..... | 2 | |
| | 5.00 p. m. | .403 | 67.2 | 49.0 | ..... | ..... | 38 | 0.38 | W. | 2 | ....do | ..... | 2 | |
| | 6.00 p. m. | .409 | 66.0 | 47.5 | ..... | ..... | 36 | 0.36 | W. | 2 | ....do | ..... | 1 | |
| | 7.00 p. m. | .416 | 61.4 | 47.0 | ..... | ..... | 37 | 0.44 | W. | 1 | ....do | ..... | 1 | |
| | 8.00 p. m. | .437 | 56.0 | 44.0 | ..... | ..... | 36 | 0.49 | S. E. | 1 | ....do | ..... | 1 | |
| | 9.00 p. m. | .449 | 50.5 | 42.4 | 70.0 | ..... | 33 | 0.53 | S. E. | 1 | ....do | ..... | 1 | |
| | 10.00 p. m. | .470 | 49.8 | 42.0 | ..... | ..... | 34 | 0.57 | S. E. | 1 | Stratus | ..... | 1 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11.00 p. m. | .491 | 49.5 | 39.2 | ..... | ..... | 28 | 0.46 | S. E. | 1 | .....do ..... | ..... | 1 | |
| June 20 | 8.00 a. m. | .570 | 58.5 | 48.6 | ..... | 37.8 | 42 | 0.56 | N. W. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .567 | 62.0 | 49.0 | ..... | ..... | 40 | 0.47 | N. W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .566 | 65.8 | 49.4 | ..... | ..... | 39 | 0.40 | ..... | 0 | ..... | ..... | 0 | |
| | 11.00 a. m. | .566 | 70.6 | 53.2 | ..... | ..... | 44 | 0.40 | ..... | 0 | ..... | ..... | 0 | |
| | 12.00 m ... | .555 | 72.5 | 51.2 | ..... | ..... | 40 | 0.33 | W. | 2 | ..... | ..... | 0 | |
| | 1.00 p. m. | .549 | 73.8 | 52.0 | ..... | ..... | 41 | 0.33 | W. | 1 | ..... | ..... | 0 | |
| | 2.00 p. m. | .545 | 74.2 | 51.6 | ..... | ..... | 41 | 0.33 | W. | 1 | ..... | ..... | 0 | |
| | 3.00 p. m. | .534 | 75.9 | 50.9 | ..... | ..... | 39 | 0.28 | W. | 1 | ..... | ..... | 0 | |
| | 4.00 p. m. | .523 | 75.6 | 50.4 | ..... | ..... | 37 | 0.27 | W. | 1 | ..... | ..... | 0 | |
| | 5.00 p. m. | .511 | 73.6 | 50.0 | ..... | ..... | 38 | 0.30 | W. | 1 | ..... | ..... | 0 | |
| | 6.00 p. m. | .514 | 72.0 | 49.4 | ..... | ..... | 38 | 0.31 | S. W. | 1 | ..... | ..... | 0 | |
| | 7.00 p. m. | .515 | 60.8 | 49.0 | ..... | ..... | 41 | 0.50 | S. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .526 | 55.0 | 46.0 | ..... | ..... | 40 | 0.59 | S. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .532 | 54.6 | 43.0 | 77.8 | ..... | 35 | 0.49 | S. | 1 | ..... | ..... | 0 | |
| | 10.00 p. m. | .529 | 53.0 | 43.0 | ..... | ..... | 33 | 0.50 | S. | 1 | ..... | ..... | 0 | |
| June 21 | 8.00 a. m. | .584 | 64.8 | 54.5 | ..... | 45.8 | 47 | 0.55 | N. W. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .588 | 68.6 | 52.8 | ..... | ..... | 43 | 0.42 | ..... | 0 | ..... | ..... | 0 | |
| | 10.00 a. m. | .584 | 73.5 | 55.6 | ..... | ..... | 47 | 0.41 | N. W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .580 | 75.8 | 51.0 | ..... | ..... | 39 | 0.28 | W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .577 | 77.4 | 52.7 | ..... | ..... | 41 | 0.30 | W. | 3 | ..... | ..... | 0 | |
| | 1.00 p. m. | .565 | 80.6 | 54.2 | ..... | ..... | 41 | 0.26 | W. | 3 | ..... | ..... | 0 | |
| | 2.00 p. m. | .554 | 81.0 | 53.0 | ..... | ..... | 40 | 0.25 | W. | 4 | ..... | ..... | 0 | |
| | 3.00 p. m. | .543 | 82.0 | 56.0 | ..... | ..... | 43 | 0.27 | W. | 2 | ..... | ..... | 0 | |
| | 4.00 p. m. | .526 | 81.5 | 55.0 | ..... | ..... | 42 | 0.26 | S. W. | 3 | Cirro-stratus..... | ..... | 1 | |
| | 5.00 p. m. | .514 | 80.6 | 52.8 | ..... | ..... | 40 | 0.25 | S. W. | 2 | .....do ..... | ..... | 1 | |
| | 6.00 p. m. | .493 | 79.0 | 54.5 | ..... | ..... | 43 | 0.30 | ..... | 0 | .....do ..... | ..... | 2 | |
| | 7.00 p. m. | .488 | 68.7 | 52.7 | ..... | ..... | 43 | 0.42 | S. | 1 | .....do ..... | ..... | 2 | |
| | 8.00 p. m. | .497 | 63.0 | 49.0 | ..... | ..... | 39 | 0.45 | S. | 1 | .....do ..... | ..... | 3 | Hazy. |
| | 9.00 p. m. | .508 | 59.0 | 46.2 | 84.2 | ..... | 44 | 0.47 | ..... | 0 | .....do ..... | ..... | 2 | |
| | 10.00 p. m. | .498 | 67.6 | 49.9 | ..... | ..... | 39 | 0.38 | E. | 2 | .....do ..... | ..... | 3 | |
| | 11.00 p. m | .492 | 67.0 | 49.8 | ..... | ..... | 40 | 0.40 | S. E. | 2 | .....do ..... | ..... | 2 | |
| | 12.00 p. m. | .487 | 66.4 | 48.8 | ..... | ..... | 39 | 0.40 | S. E. | 3 | .....do ..... | ..... | 2 | |
| June 22 | 8.00 a. m. | .451 | 74.2 | 54.0 | ..... | 61.2 | 44 | 0.37 | S. W. | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .442 | 79.8 | 56.6 | ..... | ..... | 46 | 0.32 | E. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .429 | 81.8 | 54.8 | ..... | ..... | 42 | 0.26 | S. W. | 3 | ..... | ..... | 0 | |
| | 11.00 a. m. | .410 | 83.4 | 57.7 | ..... | ..... | 46 | 0.29 | S. | 2 | ..... | ..... | 0 | |
| | 12.00 m ... | .381 | 87.0 | 58.0 | ..... | ..... | 44 | 0.23 | S. E. | 2 | Cirro-cumulus ..... | ..... | 3 | |
| | 1.00 p. m. | .364 | 88.6 | 56.5 | ..... | ..... | ..... | ..... | W. | 2 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .345 | 89.2 | 58.2 | ..... | ..... | ..... | ..... | W. | 3 | .....do ..... | ..... | 3 | |
| | 3.00 p. m. | .334 | 85.7 | 55.6 | ..... | ..... | ..... | ..... | W. | 3 | .....do ..... | ..... | 4 | |
| | 4.00 p. m. | .311 | 87.0 | 55.4 | ..... | ..... | ..... | ..... | W. | 4 | .....do ..... | ..... | 3 | |
| | 5.00 p. m. | .295 | 85.8 | 57.0 | ..... | ..... | 43 | 0.23 | W, | 2 | .....do ..... | ..... | 4 | |
| | 6.00 p. m. | .281 | 82.3 | 57.6 | ..... | ..... | 46 | 0.31 | W. | 1 | .....do ..... | ..... | 1 | |
| | 7.00 p. m. | .284 | 78.0 | 56.0 | ..... | ..... | 45 | 0.34 | W. | 1 | .....do ..... | ..... | 1 | |
| | 8.00 p. m. | .291 | 70.2 | 53.2 | ..... | ..... | 43 | 0.40 | W. | 1 | .....do ..... | ..... | 1 | |
| | 9.00 p. m. | .302 | 68.0 | 52.0 | 89.2 | ..... | 42 | 0.42 | S. E. | 1 | .....do ..... | ..... | 1 | |
| | 10.00 p. m. | .296 | 62.5 | 50.0 | ..... | ..... | 42 | 0.50 | S. E. | 1 | ..... | ..... | 0 | |
| | 11.00 p. m. | .308 | 60.0 | 48.0 | ..... | ..... | 40 | 0.50 | ..... | 0 | ..... | ..... | 0 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 22 | 12.00 p. m. | 25.303 | 58.8 | 46.0 | ..... | ..... | 37 | 0.47 | S. | 1 | ..... | ..... | 0 | |
| June 23 | 10.00 a. m. | .285 | 81.7 | 57.5 | ..... | 49.0 | 46 | 0.31 | W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .274 | 83.0 | 57.0 | ..... | ..... | 44 | 0.28 | W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .272 | 83.8 | 57.0 | ..... | ..... | 44 | 0.26 | W. | 3 | Cumulus | ..... | 1 | |
| | 1.00 p. m. | .259 | 86.0 | 58.0 | ..... | ..... | 44 | 0.25 | W. | 1 | .....do | ..... | 1 | Gusty. |
| | 2.00 p. m. | .222 | 86.0 | 57.4 | ..... | ..... | 43 | 0.23 | W. | 2 | .....do | ..... | 1 | |
| | 3.00 p. m. | .216 | 85.6 | 56.6 | ..... | ..... | 43 | 0.23 | W. | 3 | .....do | ..... | 1 | |
| | 4.00 p. m. | .207 | 85.5 | 57.5 | ..... | ..... | 43 | 0.25 | W. | 1 | Cirro-cumulus | ..... | 1 | |
| | 5.00 p. m. | .200 | 82.4 | 56.6 | ..... | ..... | 45 | 0.29 | W. | 1 | .....do | ..... | 4 | |
| | 6.00 p. m. | .200 | 78.5 | 55.0 | ..... | ..... | 44 | 0.32 | W. | 1 | .....do | ..... | 5 | |
| | 7.00 p. m. | .203 | 70.6 | 56.2 | ..... | ..... | 49 | 0.47 | ..... | 0 | .....do | ..... | 5 | |
| | 8.00 p. m. | .216 | 63.2 | 51.2 | ..... | ..... | 43 | 0.50 | S. E. | 1 | .....do | ..... | 5 | |
| | 9.00 p. m. | .226 | 59.8 | 48.2 | 86.9 | ..... | 40 | 0.50 | S. E. | 1 | .....do | ..... | 2 | |
| | 10.00 p. m. | .224 | 58.5 | 48.5 | ..... | ..... | 41 | 0.56 | S. E. | 1 | .....do | ..... | 2 | |
| June 24 | 8.00 a. m. | .197 | 70.4 | 54.4 | ..... | 55.9 | 46 | 0.45 | S. E. | 1 | Cumulus | ..... | 9 | |
| | 9.00 a. m. | .192 | 70.2 | 54.0 | ..... | ..... | 46 | 0.45 | S. E. | 1 | .....do | ..... | 9 | |
| | 10.00 a. m. | .217 | 71.6 | 55.2 | ..... | ..... | 47 | 0.43 | W. | 2 | .....do | ..... | 9 | |
| | 11.00 a. m. | .213 | 72.5 | 57.0 | ..... | ..... | 49 | 0.45 | W. | 3 | .....do | ..... | 9 | |
| | 12.00 m ... | .228 | 72.4 | 53.4 | ..... | ..... | 44 | 0.39 | W. | 3 | .....do | ..... | 9 | |
| | 1.00 p. m. | .239 | 71.6 | 54.0 | ..... | ..... | 45 | 0.41 | W. | 3 | .....do | ..... | 10 | |
| | 2.00 p. m. | .248 | 68.4 | 55.0 | ..... | ..... | 47 | 0.50 | S. | 2 | .....do | ..... | 9 | Light rain. |
| | 3.00 p. m. | .251 | 65.2 | 55.0 | ..... | ..... | 49 | 0.58 | S. E. | 2 | .....do | ..... | 9 | |
| | 5.00 p. m. | .215 | 67.2 | 56.0 | ..... | ..... | 49 | 0.56 | S. E. | 3 | .....do | ..... | 5 | |
| | 6.00 p. m. | .204 | 67.0 | 56.2 | ..... | ..... | 49 | 0.56 | E. | 3 | .....do | ..... | 4 | |
| | 7.00 p. m. | .204 | 63.5 | 54.6 | ..... | ..... | 49 | 0.60 | S. E. | 2 | .....do | ..... | 4 | |
| | 9.60 p. m. | .210 | 60.8 | 53.0 | 74.6 | ..... | 47 | 0.63 | S. E. | 2 | .....do | ..... | 4 | |
| June 25 | 8.00 a. m. | .330 | 67.1 | 56.5 | ..... | 47.6 | 51 | 0.59 | W. | 2 | .....do | ..... | 1 | |
| | 9.00 a. m. | .337 | 69.8 | 58.0 | ..... | ..... | 52 | 0.55 | S. | 2 | .....do | ..... | 1 | |
| | 11.00 a. m. | .328 | 73.7 | 59.4 | ..... | ..... | 52 | 0.48 | S. W. | 2 | .....do | ..... | 2 | |
| | 12.00 m ... | .308 | 74.2 | 60.0 | ..... | ..... | 53 | 0.50 | W. | 1 | .....do | ..... | 2 | |
| | 2.00 p. m. | .290 | 78.2 | 59.0 | ..... | ..... | 50 | 0.39 | S. W. | 1 | .....do | ..... | 2 | |
| | 5.00 p. m. | .280 | 73.6 | 56.0 | ..... | ..... | 47 | 0.41 | E. | 2 | .....do | ..... | 1 | |
| | 6.00 p. m. | .286 | 73.8 | 57.5 | ..... | ..... | 50 | 0.45 | ..... | 0 | .....do | ..... | 1 | |
| | 9.00 p. m. | .319 | 60.0 | 51.4 | 80.8 | ..... | 45 | 0.60 | S. | 1 | ..... | ..... | 0 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 13 | 7.00 a. m. | .308 | 70.4 | 61.9 | ..... | 61.2 | 58.0 | 0.67 | W. N. W. | 2 | Cirro-cumulus ..... | N. W. | 4 | |
| | 8.00 a. m. | .312 | 73.7 | 62.9 | ..... | ..... | 57.5 | 0.58 | ..... | 0 | Cirro-cumulus, cirro-stratus. | ..... | 3 | |
| | 9.00 a. m. | .309 | 78.7 | 65.4 | ..... | ..... | 58.0 | 0.50 | W. | 2 | Cirro-cumulus ..... | ..... | 3 | |
| | 10.00 a. m. | .305 | 80.2 | 62.7 | ..... | ..... | 54.5 | 0.43 | N. N. W. | 2 | ..... | ..... | 3 | |
| | 11.00 a. m. | .302 | 82.6 | 63.4 | ..... | ..... | 53.0 | 0.37 | S. W. | 2 | Cirro, cirro-cumulus.. | ..... | 1 | |
| | 12.00 m... | .283 | 84.8 | 63.7 | ..... | ..... | 53.5 | 0.36 | ..... | 3 | Cumulus, cumulo-stratus. | ..... | 2 | |
| | 1.00 p. m. | .252 | 87.1 | 65.1 | ..... | ..... | 54.0 | 0.34 | W. | 3 | ..... | ..... | 3 | |
| | 2.00 p. m. | .234 | 91.8 | 67.7 | ..... | ..... | ..... | ..... | ..... | 3 | ..... | ..... | 3 | |
| | 3.00 p. m. | .190 | 87.8 | 67.1 | ..... | ..... | 56.5 | 0.36 | S. | 2 | ..... | ..... | 4 | Wind in gusts; few drops of rain at 3.35. |
| | 4.00 p. m. | .197 | 80.3 | 63.3 | ..... | ..... | 54.5 | 0.43 | W. | 4 | ..... | ..... | 8 | Heavy shower 3.55; faint lightning and distant thunder in W. at 4.05. |
| | 5.00 p. m. | .205 | 76.8 | 63.4 | ..... | ..... | 56.0 | 0.50 | S. E. | 2 | Cirro-cumulus, cirro-stratus. | ..... | 6 | |
| | 6.00 p. m. | .213 | 77.4 | 63.6 | ..... | ..... | 56.0 | 0.50 | ..... | 3 | ..... | ..... | 5 | Heavy shower at 4.15. |
| | 7.00 p. m. | .213 | 73.2 | 61.6 | ..... | ..... | 56.5 | 0.58 | S. S. E. | 3 | Cirro, cirro-cumulus.. | ..... | 7 | |
| | 8.00 p. m. | .223 | 72.6 | 60.8 | ..... | ..... | 55.0 | 0.55 | E. S. E. | 4 | Cirro-cumulus, cirro-stratus. | ..... | 7 | |
| | 8.30 p. m. | .228 | 71.9 | 60.3 | ..... | ..... | 54.0 | 0.55 | ..... | 3 | Cirro-cumulus ..... | ..... | 6 | |
| | 9.00 p. m. | .233 | 70.8 | 60.7 | ..... | ..... | 56.0 | 0.61 | S. E. | 4 | ..... | ..... | 7 | |
| | 9.30 p. m. | .237 | 69.9 | 60.6 | 93.4 | ..... | 56.5 | 0.64 | ..... | 4 | ..... | ..... | 7 | |
| July 14 | 7.00 a. m. | .265 | 68.5 | 54.4 | ..... | 63.8 | 45.6 | 0.47 | E. | 3 | Cirro, cirro-stratus.... | ..... | 2 | Very hazy in N. W. |
| | 8.00 a. m. | .267 | 71.2 | 55.1 | ..... | ..... | 47.0 | 0.45 | S. S. W. | 3 | ..... | ..... | 2 | |
| | 9.00 a. m. | .261 | 74.1 | 55.9 | ..... | ..... | 47.0 | 0.40 | S. W. | 4 | ..... | ..... | 1 | |
| | 10.00 a. m. | .248 | 77.6 | 57.5 | ..... | ..... | 46.5 | 0.35 | ..... | 5 | Cirro ..... | ..... | 1 | |
| | 11.00 a. m. | .235 | 80.8 | 57.6 | ..... | ..... | 46.5 | 0.32 | ..... | 4 | Cirro-stratus..... | ..... | 1 | |
| | 12.00 m... | .225 | 82.3 | 57.8 | ..... | ..... | 46.0 | 0.30 | ..... | 4 | Cumulo-stratus ..... | ..... | 1 | |
| | 1.00 p. m. | .203 | 83.1 | 56.7 | ..... | ..... | 44.0 | 0.28 | W. | 5 | ..... | ..... | 1 | |
| | 2.00 p. m. | .182 | 83.2 | 56.7 | ..... | ..... | 44.0 | 0.28 | ..... | 5 | ..... | ..... | 1 | |
| | 3.00 p. m. | .169 | 83.3 | 55.6 | ..... | ..... | 42.5 | 0.26 | ..... | 4 | Cirro-stratus..... | ..... | 1 | |
| | 4.00 p. m. | .156 | 82.1 | 54.2 | ..... | ..... | ..... | ..... | ..... | 5 | ..... | ..... | 1 | |
| | 5.00 p. m. | .155 | 80.6 | 52.8 | ..... | ..... | 39.5 | 0.26 | ..... | 4 | ..... | ..... | 1 | |
| | 6.10 p. m. | .149 | 77.2 | 52.6 | ..... | ..... | 41.0 | 0.30 | ..... | 4 | ..... | ..... | 1 | |
| | 7.00 p. m. | .159 | 75.5 | 51.7 | ..... | ..... | 40.5 | 0.31 | ..... | 4 | Cirro-cumulus ..... | ..... | 1 | Dense haze in N. W. |
| | 8.00 p. m. | .213 | 71.4 | 52.2 | ..... | ..... | 42.5 | 0.38 | ..... | 3 | ..... | ..... | 1 | |
| | 8.30 p. m. | .236 | 68.7 | 51.2 | ..... | ..... | 40.2 | 0.38 | N. E. | 2 | ..... | ..... | 1 | |
| | 9.00 p. m. | .249 | 67.2 | 47.3 | ..... | ..... | 35.0 | 0.34 | ..... | 3 | Stratus ..... | ..... | 1 | |
| | 9.30 p. m. | .257 | 65.1 | 46.1 | 83.7 | ..... | 33.4 | 0.32 | ..... | 2 | ..... | ..... | 1 | |
| July 15 | 6.00 a. m. | .299 | 45.1 | 40.9 | ..... | 37.9 | 36.6 | 0.74 | N. E. | 1 | ..... | W. S. W. | 0 | Dense haze in N. W. |
| | 7.00 a. m. | .299 | 50.3 | 44.3 | ..... | ..... | 38.0 | 0.66 | N. W. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .294 | 56.6 | 47.8 | ..... | ..... | 41.7 | 0.59 | S. E. | 1 | Cirro-stratus..... | ..... | 1 | |
| | 9.00 a. m. | .289 | 61.8 | 50.3 | ..... | ..... | 41.6 | 0.50 | N. W. | 2 | ..... | ..... | 2 | |
| | 10.00 a. m. | .282 | 67.1 | 52.9 | ..... | ..... | 44.6 | 0.47 | W. | 2 | ..... | ..... | 2 | |
| | 11.00 a. m. | .277 | 71.2 | 53.4 | ..... | ..... | 44.0 | 0.40 | ..... | 2 | ..... | ..... | 2 | |
| | 12.00 m... | .263 | 74.2 | 56.2 | ..... | ..... | 47.0 | 0.40 | ..... | 2 | ..... | ..... | 1 | Haze extending W. and S. |
| | 1.00 p. m. | .243 | 78.0 | 55.2 | ..... | ..... | 43.5 | 0.32 | N. W. | 3 | ..... | ..... | 0 | |
| | 2.00 p. m. | .219 | 77.2 | 55.2 | ..... | ..... | 44.0 | 0.33 | W. | 2 | ..... | ..... | 0 | Haze increasing. |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| July 15 | 3.00 p. m. | 25.200 | 76.3 | 53.4 | ..... | ..... | 41.5 | 0.32 | ..... | 2 | ..... | ..... | 0 | |
| | 4.00 p. m. | .179 | 76.4 | 53.9 | ..... | ..... | 43.0 | 0.33 | ..... | 2 | ..... | ..... | 0 | Wind very changeable W. to S. |
| | 5.00 p. m. | .158 | 75.8 | 52.1 | ..... | ..... | 40.0 | 0.30 | S. | 1 | ..... | ..... | 0 | Very hazy. |
| | 6.00 p. m. | .139 | 73.7 | 51.8 | ..... | ..... | 41.0 | 0.33 | W. | 3 | Cirro-stratus ..... | ..... | 1 | |
| | 7.00 p. m. | .137 | 66.2 | 50.7 | ..... | ..... | 42.0 | 0.44 | S. | 3 | ..... | ..... | 1 | |
| | 8.00 p. m. | .133 | 59.6 | 45.2 | ..... | ..... | 34.5 | 0.42 | ..... | 2 | Stratus ..... | ..... | 1 | |
| | 8.30 p. m. | .140 | 60.3 | 44.0 | ..... | ..... | 32.8 | 0.39 | S. E. | 2 | ..... | ..... | 1 | |
| | 9.00 p. m. | .144 | 60.9 | 43.4 | 80.9 | ..... | 30.4 | 0.35 | ..... | 2 | ..... | ..... | 1 | |
| July 16 | 7.00 a. m. | .201 | 57.8 | 47.4 | ..... | ..... | 39.3 | 0.53 | ..... | 0 | ..... | ..... | 0 | Light haze; dense haze in N. W. |
| | 8.00 a. m. | .202 | 62.2 | 47.1 | ..... | ..... | 36.5 | 0.42 | W. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .210 | 65.8 | 51.4 | ..... | ..... | 42.0 | 0.44 | ..... | 2 | ..... | ..... | 0 | |
| | 10.00 a. m. | .220 | 67.3 | 51.1 | ..... | ..... | 41.4 | 0.42 | S. W. | 2 | Cumulus..... | N. W. | 1 | |
| | 11.00 a. m. | .221 | 69.1 | 50.2 | ..... | ..... | 38.6 | 0.36 | ..... | 3 | Cumulo-stratus. ..... | ..... | 2 | Haze increasing. |
| | 12.00 m.... | .219 | 75.6 | 56.2 | ..... | ..... | 46.0 | 0.37 | N. W. | 3 | Cumulo, cumulo-stratus. | ..... | 3 | |
| | 1.00 p. m. | .222 | 75.9 | 55.7 | ..... | ..... | 46.0 | 0.37 | N. E. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 4 | |
| | 2.00 p. m. | .226 | 73.3 | 54.2 | ..... | ..... | 44.5 | 0.37 | N. | 2 | Cirro-cumulus, cumulo-stratus. | ..... | 4 | Very hazy. |
| | 3.20 p. m. | .229 | 74.1 | 55.8 | ..... | ..... | 47.0 | 0.40 | ..... | 3 | Cumulus, cumulo-stratus. | ..... | 4 | |
| | 4.00 p. m. | .239 | 71.6 | 53.6 | ..... | ..... | 45.0 | 0.41 | ..... | 4 | ..... | ..... | 4 | |
| | 5.00 p. m. | .252 | 70.7 | 54.6 | ..... | ..... | 47.0 | 0.45 | ..... | 5 | ..... | ..... | 2 | |
| | 6.00 p. m. | .257 | 67.9 | 52.7 | ..... | ..... | 44.0 | 0.44 | ..... | 4 | ..... | ..... | 0 | |
| | 7.00 p. m. | .265 | 64.3 | 50.8 | ..... | ..... | 41.9 | 0.47 | ..... | 3 | Cumulo-stratus ..... | ..... | 1 | |
| | 8.00 p. m. | .279 | 56.7 | 48.2 | ..... | ..... | 41.7 | 0.59 | ..... | 0 | Cirro-stratus..... | ..... | 1 | |
| | 8.30 p. m. | .288 | 54.6 | 46.3 | ..... | ..... | 39.7 | 0.59 | S. E. | 1 | ..... | ..... | 1 | |
| | 9.00 p. m. | .294 | 59.4 | 48.7 | ..... | ..... | 42.0 | 0.56 | ..... | 2 | ..... | ..... | 1 | |
| | 9.30 p. m. | .301 | 56.3 | 47.7 | 81.3 | ..... | 42.4 | 0.63 | ..... | 1 | Cirro-cumulus ..... | ..... | 1 | Very hazy. |
| July 17 | 7.00 a. m. | .335 | 50.3 | 46.2 | ..... | 36.3 | 42.0 | 0.76 | N. W. | 1 | ..... | ..... | ..... | Very hazy. |
| | 8.00 a. m. | .339 | 55.6 | 49.6 | ..... | ..... | 45.8 | 0.71 | W. | 1 | ..... | ..... | ..... | |
| | 9.00 a. m. | .345 | 63.9 | 53.4 | ..... | ..... | 45.3 | 0.53 | ..... | 1 | ..... | ..... | ..... | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10.00 a. m. | .347 | 68.4 | 55.6 | | | 48.8 | 0.53 | S. E. | 1 | | | | |
| | 11.00 a. m. | .345 | 70.9 | 56.2 | | | 48.5 | 0.47 | | 1 | | | | |
| | 12.00 m ... | .340 | 74.3 | 57.2 | | | 48.5 | 0.43 | N. W. | 3 | | | | |
| | 1.00 p. m. | .334 | 73.7 | 53.4 | | | 42.5 | 0.35 | S. W. | 2 | | | | |
| | 2.00 p. m. | .328 | 78.2 | 58.1 | | | 48.0 | 0.37 | N. W. | 3 | | | | |
| | 3.00 p. m. | .322 | 75.4 | 54.2 | | | 43.5 | 0.35 | S. W. | 3 | | | | |
| | 4.00 p. m. | .311 | 76.3 | 54.6 | | | 44.5 | 0.35 | | 3 | | | | |
| | 5.00 p. m. | .299 | 75.0 | 54.3 | | | 43.5 | 0.35 | | 4 | | | | |
| | 6.00 p. m. | .289 | 72.8 | | | | 45.2 | 0.50 | S. | 2 | | | | |
| | 7.00 p. m. | .289 | 66.4 | 53.2 | | | 45.2 | 0.50 | | 1 | | | | |
| | 8.00 p. m. | .290 | 63.3 | 48.7 | | | 39.2 | 0.44 | | 2 | | | | |
| | 8.30 p. m. | .299 | 64.6 | 48.3 | | | 37.8 | 0.40 | | 1 | | | | |
| | 9.00 p. m. | .300 | 64.7 | 47.8 | | | 37.8 | 0.40 | S. E. | 2 | | | | |
| | 9.30 p. m. | .300 | 64.4 | 47.8 | 80.6 | | 36.8 | 0.40 | E. | 3 | | | | |
| July 18 | 6.00 a. m. | .361 | 43.4 | 39.6 | | 38.1 | 34.2 | 0.74 | S. W. | 1 | Cumulus | W. | 1 | Very hazy. |
| | 7.00 a. m. | .370 | 51.5 | 46.2 | | | 41.0 | 0.71 | S. E. | 1 | | | 1 | |
| | 8.00 a. m. | .367 | 59.0 | 50.6 | | | 43.7 | 0.60 | N. W. | 2 | | | 1 | |
| | 9.00 a. m. | .367 | 64.9 | 54.8 | | | 49.0 | 0.58 | | 2 | Cumulo-stratus | | 1 | |
| | 10.00 a. m. | .360 | 70.4 | 56.7 | | | 50.5 | 0.52 | | 2 | | | 2 | |
| | 11.00 a. m. | .351 | 76.5 | 60.3 | | | 52.0 | 0.45 | | 2 | | | 2 | |
| | 12.00 m.... | .337 | 79.6 | 59.2 | | | 48.5 | 0.35 | W. | 2 | Cirro-cumulus | | 1 | |
| | 1.00 p. m. | .330 | 82.2 | 59.8 | | | 49.0 | 0.34 | N. W. | 3 | | | 1 | |
| | 2.00 p. m. | .315 | 84.2 | 60.0 | | | 48.0 | 0.31 | W. | 2 | | | 1 | |
| | 3.00 p. m. | .306 | 83.6 | 58.4 | | | 45.0 | 0.28 | S. W. | 3 | Cumulus, cumulo-stratus. | | 2 | |
| | 4.00 p. m. | .288 | 82.8 | 60.1 | | | 48.5 | 0.32 | | 4 | | | 2 | |
| | 5.00 p. m. | .266 | 81.2 | 59.8 | | | 49.5 | 0.35 | | 3 | | | 3 | |
| | 6.00 p. m. | .254 | 79.4 | 59.5 | | | 49.0 | 0.37 | S. | 2 | | | 3 | |
| | 7.00 p. m. | .245 | 71.4 | 56.3 | | | 48.5 | 0.47 | S. S. E. | 3 | Cirrus, cirro-stratus | | 3 | |
| | 8.00 p. m. | .242 | 67.8 | 53.4 | | | 44.0 | 0.44 | S. W. | 1 | Cirro-cumulus, cirro-stratus. | | 7 | |
| | 8.30 p. m. | .259 | 69.6 | 52.9 | | | 44.5 | 0.42 | | 2 | | | 8 | |
| | 9.00 p. m. | .258 | 71.7 | 54.3 | | | 45.0 | 0.41 | S. E. | 1 | | | 7 | |
| | 9.30 p. m. | .251 | 73.2 | 53.2 | 87.4 | | 43.0 | 0.37 | S. W. | 2 | | | 6 | Very hazy. |
| July 19 | 7.00 a. m. | .265 | 63.2 | 54.0 | | 55.2 | 47.7 | 0.60 | N. W. | 2 | Cirro-cumulus, cirro-stratus. | S. W. | 6 | Light haze. Light shower during night. |
| | 8.00 a. m. | .253 | 71.4 | 59.2 | | | 53.0 | 0.55 | | 1 | | | 5 | |
| | 9.00 a. m. | .243 | 78.6 | 60.7 | | | 52.0 | 0.41 | N. E. | 3 | Cirro-cumulus | | 7 | |
| | 10.00 a. m. | .237 | 77.2 | 60.4 | | | 51.5 | 0.43 | E. | 3 | Cirro-cumulus, cirro-stratus. | | 7 | |
| | 11.00 a. m. | .227 | 81.1 | 62.0 | | | 52.5 | 0.39 | S. E. | 3 | | | 6 | |
| | 12.00 m.... | .223 | 83.8 | 63.4 | | | 52.5 | 0.36 | | 3 | | | 7 | |
| | 1.00 p. m. | .194 | 87.9 | 66.2 | | | 55.0 | 0.34 | | 1 | Cumulus, cumulo-stratus. | | 5 | Heavy cumulus clouds in S. and E. |
| | 2.00 p. m. | .175 | 89.5 | 66.1 | | | 54.5 | 0.33 | S. | 1 | | | 4 | |
| | 3.00 p. m. | .156 | 89.3 | 65.0 | | | 53.0 | 0.31 | W. | 4 | | | 6 | |
| | 4.00 p. m. | .144 | 81.2 | 62.8 | | | 54.0 | 0.41 | | 3 | | | 8 | |
| | 5.00 p. m. | .181 | 72.1 | 59.2 | | | 52.5 | 0.52 | N. | 6 | | | 7 | Heavy thunder in S. E. at 4.20. |
| | 6.00 p. m. | .172 | 72.7 | 57.4 | | | 49.0 | 0.45 | N. | 5 | Cumulus, cumulo-stratus. | | 7 | Heavy thunder in W. at 4.30. |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| July 19 | 7.00 p. m. | 25.181 | 70.4 | 56.8 | ..... | ..... | 50.5 | 0.52 | ..... | 4 | ..... | ..... | 3 | Few drops of rain at 4.45. |
| | 8.00 p. m. | .191 | 66.4 | 55.6 | ..... | ..... | 50.0 | 0.59 | ..... | 3 | Cumulo-stratus ..... | ..... | 2 | Light shower at 5.00. |
| | 8.30 p. m. | .196 | 64.8 | 54.4 | ..... | ..... | 47.4 | 0.55 | E. | 1 | Stratus..... | ..... | 1 | |
| | 9.00 p. m. | .196 | 59.6 | 52.3 | ..... | ..... | 46.4 | 0.63 | ..... | 1 | ..... | ..... | 1 | |
| | 9.30 p. m. | .201 | 57.1 | 52.8 | 92.3 | ..... | 50.2 | 0.80 | ..... | 1 | ..... | ..... | 1 | |
| July 20 | 7.00 a. m. | .274 | 55.6 | 50.8 | ..... | 55.2 | 47.5 | 0.75 | S. | 3 | Cirrus, cirro-stratus... | S. W. | 2 | |
| | 8.30 p. m | .179 | 71.1 | 54.8 | ..... | ..... | 47.0 | 0.45 | S. E. | 3 | Cirro-stratus ..... | ..... | 4 | |
| | 9.00 p. m. | .180 | 70.6 | 55.3 | ..... | ..... | 47.0 | 0.45 | ..... | 2 | ..... | ..... | 3 | |
| | 9.30 p. m. | .180 | 68.1 | 54.3 | 86.9 | ..... | 45.6 | 0.47 | ..... | 2 | ..... | ..... | 4 | |
| July 21 | 7.00 a. m. | .179 | 65.4 | 56.1 | ..... | 45.8 | 50.6 | 0.62 | S. | 2 | Cirro-cumulus, cirro-stratus. | S. W. | 6 | |
| | 8.00 a. m. | .182 | 66.1 | 56.6 | ..... | ..... | 51.6 | 0.62 | N. W. | 3 | Cirro-cumulus ..... | ..... | 4 | |
| | 9.00 a. m. | .174 | 73.0 | 59.8 | ..... | ..... | 53.5 | 0.52 | ..... | 2 | ..... | ..... | 5 | |
| | 10.00 a. m. | .162 | 81.3 | 61.3 | ..... | ..... | 51.0 | 0.37 | S. E. | 4 | ..... | ..... | 3 | |
| | 11.00 a. m. | .151 | 82.3 | 60.4 | ..... | ..... | 49.0 | 0.34 | S. W. | 5 | ..... | ..... | 2 | |
| | 12.00 m.... | .139 | 86.8 | 63.0 | ..... | ..... | 51.0 | 0.31 | ..... | 4 | ..... | ..... | 2 | |
| | 1.10 p. m. | .130 | 88.4 | 60.8 | ..... | ..... | 47.5 | 0.27 | W. | 3 | Cirrus, cirro-cumulus .. | ..... | 4 | |
| | 2.00 p. m. | .118 | 90.3 | 61.2 | ..... | ..... | ..... | ..... | ..... | 3 | ..... | ..... | 4 | |
| | 3.00 p. m. | .104 | 89.2 | 62.1 | ..... | ..... | 48.5 | 0.27 | ..... | 3 | ..... | ..... | 4 | |
| | 4.00 p. m. | .091 | 89.4 | 61.3 | ..... | ..... | 46.5 | 0.32 | ..... | 2 | Cumulus, cumulo-stratus. | ..... | 6 | |
| | 5.00 p. m. | .086 | 81.5 | 58.5 | ..... | ..... | 46.5 | 0.32 | ..... | 3 | ..... | ..... | 6 | Very dark cumulus clouds in S. |
| | 6.00 p. m. | .097 | 82.2 | 56.9 | ..... | ..... | 44.5 | 0.29 | ..... | 3 | ..... | ..... | 5 | Light nimbus clouds in E. at 5.20. |
| | 7.00 p. m. | .112 | 77.8 | 55.2 | ..... | ..... | 43.5 | 0.32 | ..... | 2 | ..... | ..... | 5 | |
| | 8.00 p. m. | .136 | 72.2 | 53.6 | ..... | ..... | 45.0 | 0.41 | ..... | 2 | ..... | ..... | 4 | |
| | 9.00 p. m. | .160 | 66.9 | 51.1 | 91.2 | ..... | 41.4 | 0.42 | E. | 1 | ..... | ..... | 7 | |
| July 22 | 7.00 a. m. | .325 | 63.8 | 48.7 | ..... | 51.8 | 38.5 | 0.42 | S. E. | 2 | Cirro-cumulus..... | S. S. W. | 1 | |
| | 8.00 a. m. | .324 | 65.9 | 51.4 | ..... | ..... | 42.0 | 0.44 | S. W. | 3 | ..... | ..... | 1 | |
| | 9.00 a. m. | .335 | 70.1 | 52.8 | ..... | ..... | 44.5 | 0.42 | S. | 3 | ..... | ..... | 1 | |
| | 10.00 a. m. | .329 | 73.8 | 55.5 | ..... | ..... | 45.5 | 0.38 | S. W. | 4 | ..... | ..... | 1 | |
| | 11.00 a. m. | .322 | 76.0 | 55.6 | ..... | ..... | 46.0 | 0.37 | W. | 4 | ..... | ..... | 1 | |
| | 12.00 m.... | .311 | 78.3 | 54.4 | ..... | ..... | 42.0 | 0.30 | ..... | 4 | ..... | ..... | 1 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.00 p. m. | .301 | 76.9 | 55.0 | ..... | ..... | 44.0 | 0.33 | ..... | 4 | ..... | ..... | 1 | |
| | 2.00 p. m. | .289 | 81.1 | 55.8 | ..... | ..... | 43.5 | 0.29 | ..... | 5 | ..... | ..... | 1 | |
| | 3.00 p. m. | .278 | 81.6 | 55.7 | ..... | ..... | 43.0 | 0.27 | ..... | 5 | ..... | ..... | 1 | |
| | 4.00 p. m. | .263 | 81.3 | 56.2 | ..... | ..... | 43.5 | 0.29 | ..... | 3 | ..... | ..... | 1 | |
| | 5.00 p. m. | .255 | 80.2 | 55.6 | ..... | ..... | 44.0 | 0.30 | ..... | 3 | ..... | ..... | 1 | |
| | 6.00 p. m. | .250 | 77.0 | 56.1 | ..... | ..... | 45.5 | 0.35 | N. W. | 2 | Cumulo-stratus..... | ..... | 1 | |
| | 7.00 p. m. | .255 | 70.3 | 53.6 | ..... | ..... | 46.0 | 0.45 | S. E. | 1 | Cirro-stratus ..... | ..... | 1 | |
| | 8.00 p. m. | .263 | 62.7 | 48.6 | ..... | ..... | 39.2 | 0.44 | ..... | 1 | Stratus..... | ..... | 1 | |
| | 9.00 p. m. | .281 | 56.9 | 56.8 | 82.7 | ..... | 40.0 | 0.56 | ..... | 1 | ..... | ..... | 0 | |
| July 23 | 7.00 a. m. | .301 | 61.4 | 51.2 | ..... | 13.9 | 44.0 | 0.56 | S. E. | 2 | Cirro-cumulus..... | S. W. | 4 | |
| | 8.00 a. m. | .300 | 63.4 | 52.8 | ..... | ..... | 46.0 | 0.56 | N. W. | 2 | ..... | ..... | 4 | |
| | 9.00 a. m. | .295 | 70.0 | 55.4 | ..... | ..... | 47.5 | 0.47 | ..... | 3 | ..... | ..... | 2 | |
| | 10.00 a. m. | .283 | 74.9 | 57.7 | ..... | ..... | 49.5 | 0.43 | W. | 3 | ..... | ..... | 1 | Very hazy in N. W. |
| | 11.00 a. m. | .266 | 80.6 | 61.0 | ..... | ..... | 51.0 | 0.37 | S. E. | 1 | ..... | ..... | 1 | |
| | 12.00 m... | .248 | 83.7 | 61.2 | ..... | ..... | 59.5 | 0.32 | S. W. | 3 | ..... | ..... | 1 | |
| | 1.00 p. m. | .239 | 84.6 | 60.1 | ..... | ..... | 47.5 | 0.29 | W. | 3 | Cumulus, cumulo-stratus. | ..... | 2 | |
| | 2.00 p. m. | .227 | 85.8 | 61.1 | ..... | ..... | 48.5 | 0.29 | S. W. | 3 | ..... | ..... | 3 | |
| | 3.00 p. m. | .207 | 84.3 | 61.6 | ..... | ..... | 51.0 | 0.34 | ..... | 4 | ..... | ..... | 4 | |
| | 4.00 p. m. | .193 | 85.4 | 58.2 | ..... | ..... | 44.5 | 0.26 | W. S. W. | 4 | ..... | ..... | 4 | |
| | 5.00 p. m. | .179 | 83.1 | 57.2 | ..... | ..... | 44.0 | 0.28 | ..... | 4 | ..... | ..... | 2 | |
| | 6.00 p. m. | .178 | 81.8 | 59.9 | ..... | ..... | 49.0 | 0.34 | W. | 3 | ..... | ..... | 2 | |
| | 7.00 p. m. | .179 | 74.8 | 57.1 | ..... | ..... | 48.0 | 0.41 | S. S. E. | 2 | Cirro-cumulus, cirro-stratus. | ..... | 1 | |
| | 8.00 p. m. | .186 | 66.2 | 53,1 | ..... | ..... | 45.2 | 0.50 | ..... | 0 | ..... | ..... | 1 | |
| | 9.00 p. m. | .198 | 62.2 | 49.4 | 87.1 | ..... | 39.9 | 0.47 | S. | 1 | ..... | ..... | 1 | |
| July 24 | 7.00 a. m. | .305 | 57.8 | 47.4 | ..... | ..... | 39.3 | 0.53 | S. W. | 3 | Cirro-cumulus..... | S. S. W. | 3 | |
| | 8.00 a. m. | .311 | 63.9 | 51.2 | ..... | ..... | 41.9 | 0.47 | ..... | 3 | ..... | ..... | 3 | |
| | 9.00 a. m. | .311 | 68.7 | 53.4 | ..... | ..... | 43.4 | 0.42 | S. S. W. | 3 | ..... | ..... | 3 | |
| | 10.00 a. m. | .312 | 72.0 | 55.1 | ..... | ..... | 46.5 | 0.43 | S. W. | 4 | ..... | ..... | 3 | |
| | 11.00 a. m. | .301 | 76.4 | 56.8 | ..... | ..... | 47.5 | 0.37 | ..... | 4 | ..... | ..... | 2 | |
| | 12.00 m ... | .294 | 79.8 | 56.8 | ..... | ..... | 45.5 | 0.32 | ..... | 4 | ..... | ..... | ..... | |
| | 1.00 p. m. | .288 | 83.0 | 59.9 | ..... | ..... | 48.5 | 0.32 | ..... | 4 | Cirro-cumulus, cumulo-stratus. | ..... | 2 | |
| | 2.00 p. m. | .267 | 81.3 | 57.4 | ..... | ..... | 45.0 | 0.30 | W. S. W. | 4 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | 3.00 p. m. | .261 | 83.3 | 58.2 | ..... | ..... | 45.5 | 0.29 | W. | 5 | ..... | ..... | 2 | |
| | 4.00 p. m. | .255 | 81.4 | 56.8 | ..... | ..... | 45.0 | 0.30 | W. S. W. | 5 | ..... | ..... | 2 | |
| | 5.00 p. m. | .249 | 80.7 | 56.1 | ..... | ..... | 43.5 | 0.29 | W. | 5 | ..... | ..... | 1 | |
| | 6.10 p. m. | .244 | 78.1 | 56.2 | ..... | ..... | 45.0 | 0.33 | ..... | 3 | Cumulo-stratus ..... | ..... | 1 | |
| | 7.00 p. m. | .255 | 73.5 | 54.8 | ..... | ..... | 46.0 | 0.41 | ..... | 2 | ..... | ..... | 1 | |
| | 8.00 p. m. | .268 | 65.4 | 51.3 | ..... | ..... | 42.6 | 0.47 | ..... | 0 | Stratus ..... | ..... | 1 | |
| | 9.00 p. m. | .285 | 62.8 | 49.3 | 84.2 | ..... | 39.2 | 0.44 | S. E. | 1 | ..... | ..... | 1 | |
| July 25 | 7.00 a. m. | .376 | 56.8 | 47.7 | ..... | 47.4 | 41.7 | 0.59 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 a. m. | .378 | 63.2 | 52.2 | ..... | ..... | 44.3 | 0.53 | S. W. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .373 | 70.3 | 55.8 | ..... | ..... | 49.0 | 0.49 | S. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .369 | 73.8 | 55.9 | ..... | ..... | 47.0 | 0.40 | S. W. | 3 | ..... | ..... | 0 | |
| | 11.00 a. m. | .364 | 77.9 | 56.8 | ..... | ..... | 46.5 | 0.35 | W. S. W. | 3 | ..... | ..... | 0 | |
| | 12.00 m... | .357 | 80.2 | 57.3 | ..... | ..... | 45.5 | 0.32 | S. W. | 3 | Cumulo-stratus ..... | W. | 1 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| July 25 | 1.00 p. m. | 25.346 | 81.1 | 58.9 | ..... | ..... | 48.0 | 0.34 | S. | 3 | ..... | ..... | 1 | |
| | 2.00 p. m. | .327 | 83.1 | 59.3 | ..... | ..... | 47.0 | 0.30 | S. W. | 4 | ..... | ..... | 1 | |
| | 3.00 p. m. | .322 | 83.9 | 59.7 | ..... | ..... | 48.0 | 0.31 | ..... | 4 | ..... | ..... | 1 | |
| | 4.00 p. m. | .312 | 83.6 | 59.2 | ..... | ..... | 46.5 | 0.29 | W. S. W. | 3 | ..... | ..... | 1 | |
| | 5.00 p. m. | .296 | 82.4 | 59.1 | ..... | ..... | 47.5 | 0.32 | ..... | 3 | ..... | ..... | 1 | |
| | 6.00 p. m. | .288 | 80.4 | 58.1 | ..... | ..... | 47.0 | 0.34 | ..... | 3 | ..... | ..... | 1 | |
| | 7.00 p. m. | .292 | 73.0 | 56.3 | ..... | ..... | 47.5 | 0.42 | S. | 3 | ..... | ..... | 1 | |
| | 8.00 p. m. | .297 | 64.2 | 52.3 | ..... | ..... | 43.6 | 0.50 | ..... | 1 | ..... | ..... | 1 | |
| | 9.00 p. m. | .305 | 62.3 | 50.0 | 85.6 | ..... | 41.6 | 0.50 | S. E. | 2 | ..... | ..... | 1 | |
| July 26 | 7.00 a. m. | .298 | 70.0 | 54.8 | ..... | 58.8 | 47.5 | 0.47 | E. | 3 | Cirro-cumulus, cirro-stratus. | S. W. | 7 | Light nim. clouds in S. E. |
| | 8.00 a. m. | .290 | 68.7 | 55.4 | ..... | ..... | 46.6 | 0.47 | ..... | 3 | ..... | ..... | 8 | Light nim. clouds in E., light showers, 7.40. |
| | 9.00 a. m. | .313 | 72.0 | 58.7 | ..... | ..... | 52.5 | 0.52 | N. N. W. | 4 | ..... | ..... | 7 | Distant thunder and lightning in S. at 7.50. |
| | 10.00 a. m. | .304 | 81.2 | 63.0 | ..... | ..... | 54.0 | 0.41 | N. N. E. | 3 | ..... | ..... | 3 | |
| | 11.00 a. m. | .283 | 85.9 | 62.4 | ..... | ..... | 50.0 | 0.31 | E. | 3 | ..... | ..... | 6 | |
| | 12.00 m.... | .278 | 84.1 | 64.0 | ..... | ..... | 54.0 | 0.37 | ..... | 4 | ..... | ..... | 5 | |
| | 1.00 p. m. | .263 | 86.4 | 64.7 | ..... | ..... | 54.5 | 0.36 | S. W. | 2 | ..... | ..... | 4 | Light shower at 1.43. |
| | 2.00 p. m. | .242 | 81.2 | 62.2 | ..... | ..... | 52.5 | 0.39 | S. E. | 2 | ..... | ..... | 8 | Very heavy nim. clouds in S. |
| | 3.00 p. m. | .245 | 82.6 | 66.2 | ..... | ..... | 57.5 | 0.43 | ..... | 6 | ..... | ..... | 7 | Heavy thunder in S. at 2.10. |
| | 4.00 p. m. | .221 | 83.1 | 63.8 | ..... | ..... | 54.5 | 0.39 | ..... | 4 | ..... | ..... | 4 | Few drops of rain at 2.40. |
| | 5.00 p. m. | .200 | 83.1 | 62.2 | ..... | ..... | 52 | 0.37 | ..... | 3 | ..... | ..... | 2 | Heavy nim. clouds in S. E. at 3. |
| | 6.00 p. m. | .194 | 81.4 | 62.7 | ..... | ..... | 54 | 0.41 | ..... | 2 | ..... | ..... | 2 | |
| | 7.00 p. m. | .200 | 75.3 | 59.9 | ..... | ..... | 53 | 0.48 | ..... | 2 | ..... | ..... | 1 | |
| | 8.00 p. m. | .211 | 71.9 | 57.2 | ..... | ..... | 50 | 0.47 | ..... | 2 | ..... | ..... | 1 | |
| | 9.00 p. m. | .224 | 66.0 | 54.1 | 89.2 | ..... | 47 | 0.53 | ..... | 1 | ..... | ..... | 1 | |
| July 27 | 8.00 a. m. | .265 | 72.9 | 57.1 | ..... | 56.2 | 49 | 0.45 | S. S. W. | 3 | Cirrus, cirro-cumulus.. | S. W. | 1 | |
| | 9.00 a. m. | .263 | 76.8 | 60.1 | ..... | ..... | 52 | 0.43 | ..... | 3 | ..... | ..... | 1 | Atmosphere very clear. |
| | 10.00 a. m. | .268 | 80.3 | 61.8 | ..... | ..... | 53 | 0.41 | S. W. | 3 | Cirro-stratus..... | ..... | 1 | |
| | 11.00 a. m. | .262 | 83.1 | 63.2 | ..... | ..... | 53 | 0.38 | ..... | 3 | ..... | ..... | 1 | |
| | 12.00 m.... | .250 | 84.6 | 62.5 | ..... | ..... | 52 | 0.34 | ..... | 3 | Cumulus, cirro-stratus | ..... | 1 | |
| | 1.00 p. m. | .232 | 86.2 | 64.2 | ..... | ..... | 53 | 0.34 | W. | 3 | Cumulus, cumulo-stratus. | ..... | 2 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.00 p. m. | .213 | 86.7 | 63.3 | ..... | ..... | 51 | 0.31 | S. W. | 2 | ..... | ..... | 2 | |
| | 3.00 p. m. | .193 | 87.8 | 65.2 | ..... | ..... | 54 | 0.33 | ..... | 2 | ..... | ..... | 3 | |
| | 4.00 p. m. | .191 | 86.1 | 66.1 | ..... | ..... | 56 | 0.38 | ..... | 2 | ..... | ..... | 2 | |
| | 5.00 p. m. | .168 | 87.0 | 64.2 | ..... | ..... | 53 | 0.33 | ..... | 0 | ..... | ..... | 3 | |
| | 6.00 p. m. | .163 | 82.6 | 65.2 | ..... | ..... | 56 | 0.41 | ..... | 0 | ..... | ..... | 3 | |
| | 7.00 p. m. | .162 | 83.4 | 61.6 | ..... | ..... | 52 | 0.36 | S. E. | 1 | Cirro-cumulus, cirro-stratus. | ..... | 3 | |
| | 8.00 p. m. | .161 | 67.3 | 58.1 | ..... | ..... | 53 | 0.62 | ..... | 1 | ..... | ..... | 2 | |
| | 9.00 p. m. | .169 | 79.0 | 56.3 | 91.8 | ..... | 45 | 0.32 | ..... | 1 | Cirrus ..... | ..... | 1 | |
| July 28 | 7.00 a. m. | .236 | 68.3 | 54.1 | ..... | 53.3 | 46 | 0.47 | S. S. W. | 2 | Cirro-stratus ..... | W. | 1 | |
| | 8.00 a. m. | .231 | 69.8 | 53.9 | ..... | ..... | 46 | 0.45 | ..... | 3 | ..... | ..... | 1 | |
| | 9.00 a. m. | .230 | 74.3 | 58.0 | ..... | ..... | 50 | 0.45 | ..... | 3 | ..... | ..... | 1 | |
| | 10.00 a. m. | .230 | 76.7 | 59.3 | ..... | ..... | 50 | 0.41 | S. W. | 3 | ..... | ..... | 1 | |
| | 11.00 a. m. | .218 | 78.6 | 61.0 | ..... | ..... | 52 | 0.41 | ..... | 3 | ..... | ..... | 1 | |
| | 12.00 m.. | .201 | 82.2 | 63.6 | ..... | ..... | 55 | 0.41 | ..... | 3 | ..... | ..... | 1 | |
| | 1.00 p. m. | .192 | 84.4 | 64.8 | ..... | ..... | 56 | 0.40 | ..... | 1 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | 2.00 a. m. | .168 | 86.4 | 66.9 | ..... | ..... | 58 | 0.40 | ..... | 2 | ..... | ..... | 1 | |
| | 4.00 a. m. | .136 | 87.0 | 67.8 | ..... | ..... | 59 | 0.40 | ..... | 2 | ..... | ..... | 1 | |
| | 5.00 a. m. | .128 | 82.7 | 64.9 | ..... | ..... | 56 | 0.41 | ..... | 2 | ..... | ..... | 1 | |
| | 6.00 a. m. | .123 | 80.1 | 63.2 | ..... | ..... | 55 | 0.43 | W. | 3 | ..... | ..... | 1 | |
| | 7.00 a. m. | .124 | 74.6 | 59.8 | ..... | ..... | 53 | 0.48 | ..... | 2 | ..... | ..... | 1 | |
| | 8.00 a. m. | .149 | 66.8 | 55.7 | ..... | ..... | 49 | 0.56 | E. | 2 | Cirrus, cirro-stratus... | ..... | 1 | Heavy squall of wind from S. at 7.10 for 15 minutes. |
| | 9.00 a. m. | .166 | 62.0 | 51.8 | 90.2 | ..... | 45 | 0.56 | ..... | 2 | Cirro-stratus..... | ..... | 2 | |
| July 29 | 7.00 a. m. | .363 | 56.8 | 50.1 | ..... | 54.9 | 45 | 0.67 | S. W. | 7 | Cumulo-stratus ..... | W. S. W. | 1 | Wind in heavy squalls. |
| | 8.00 a. m. | .400 | 58.7 | 50.8 | ..... | ..... | 45 | 0.63 | W. S. W. | 7 | ..... | ..... | 0 | |
| | 9.00 a. m. | .421 | 60.8 | 52.2 | ..... | ..... | 46 | 0.60 | ..... | 7 | Cumulus..... | ..... | 1 | |
| | 10.00 a. m. | .436 | 63.1 | 53.3 | ..... | ..... | 46 | 0.56 | ..... | 6 | ..... | ..... | 0 | |
| | 11.00 a. m. | .442 | 64.9 | 54.1 | ..... | ..... | 47 | 0.55 | ..... | 6 | ..... | ..... | 0 | |
| | 12.00 m.. | .453 | 66.2 | 54.6 | ..... | ..... | 48 | 0.55 | ..... | 6 | ..... | ..... | 0 | |
| | 1.00 p. m. | .453 | 66.3 | 54.6 | ..... | ..... | 48 | 0.55 | ..... | 6 | ..... | ..... | 0 | |
| | 2.00 p. m. | .459 | 68.2 | 55.7 | ..... | ..... | 49 | 0.53 | ..... | 7 | ..... | ..... | 0 | |
| | 4.00 p. m. | .463 | 68.3 | 55.3 | ..... | ..... | 47 | 0.50 | ..... | 6 | ..... | ..... | 0 | |
| | 5.00 p. m. | .462 | 66.8 | 53.6 | ..... | ..... | 46 | 0.50 | ..... | 6 | ..... | ..... | 0 | |
| | 6.00 p. m. | .464 | 65.1 | 52.4 | ..... | ..... | 44 | 0.49 | ..... | 5 | ..... | ..... | 0 | |
| | 7.00 p. m. | .465 | 62.1 | 50.1 | ..... | ..... | 42 | 0.50 | S. W. | 5 | ..... | ..... | 0 | |
| | 8.00 p. m. | .497 | 57.1 | 47.5 | ..... | ..... | 42 | 0.59 | ..... | 0 | Stratus ..... | ..... | 1 | |
| | 9.00 p. m. | .518 | 54.1 | 45.0 | 69.1 | ..... | 36 | 0.54 | S. W. | 3 | ..... | ..... | 0 | |
| July 30 | 7.00 a. m. | .597 | 55.3 | 46.9 | ..... | 41.3 | 41 | 0.63 | S. S. W. | 3 | ..... | ..... | 0 | Atmosphere very clear. |
| | 8.00 a. m. | .605 | 58.7 | 49.8 | ..... | ..... | 44 | 0.60 | ..... | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .600 | 61.9 | 51.6 | ..... | ..... | 45 | 0.56 | S. W. | 3 | ..... | ..... | 0 | |
| | 10.00 a. m | .597 | 64.2 | 52.8 | ..... | ..... | 45 | 0.53 | ..... | 3 | ..... | ..... | 0 | |
| | 11.00 a. m. | .589 | 68.3 | 56.4 | ..... | ..... | 49 | 0.53 | ..... | 3 | ..... | ..... | 0 | |
| | 12.00 m.. | .584 | 70.0 | 56.5 | ..... | ..... | 51 | 0.52 | ..... | 3 | ..... | ..... | 0 | |
| | 1.00 p. m. | .577 | 72.1 | 58.2 | ..... | ..... | 51 | 0.50 | W. S. W. | 2 | ..... | ..... | 0 | |
| | 2.00 p. m. | .563 | 76.8 | 61.8 | ..... | ..... | 55 | 0.48 | ..... | 3 | ..... | ..... | 0 | |
| | 3.00 p. m. | .547 | 76.8 | 62.1 | ..... | ..... | 55 | 0.48 | W. | 3 | ..... | ..... | 0 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks, |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| July 30 | 4.00 p. m. | 25.526 | 76.2 | 61.2 | ..... | ..... | 54 | 0.48 | ..... | 3 | ..... | ..... | 0 | |
| | 5.00 p. m. | .508 | 76.3 | 62.3 | ..... | ..... | 55 | 0.50 | N. W. | 2 | ..... | ..... | 0 | |
| | 6.00 p. m. | .500 | 74.1 | 59.8 | ..... | ..... | 53 | 0.50 | W. S. W. | 3 | ..... | ..... | 0 | |
| | 7.00 p. m. | .502 | 67.3 | 56.5 | ..... | ..... | 51 | 0.59 | S. S. W. | 2 | ..... | ..... | 0 | |
| | 8.00 p. m. | .514 | 57.6 | 49.6 | ..... | ..... | 44 | 0.63 | S. E. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .523 | 56.4 | 48.3 | 79.7 | ..... | 42 | 0.63 | ..... | 1 | ..... | ..... | 0 | |
| July 31 | 7.00 a. m. | .568 | 53.8 | 49.4 | ..... | 39.7 | 44 | 0.71 | S. S. W. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .573 | 67.1 | 58.2 | ..... | ..... | 53 | 0.62 | W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .567 | 73.3 | 61.4 | ..... | ..... | 55 | 0.55 | ..... | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .556 | 71.8 | 64.1 | ..... | ..... | 60 | 0.67 | ..... | 3 | ..... | ..... | 0 | |
| | 12.00 m.... | .545 | 78.3 | 64.6 | ..... | ..... | 59 | 0.53 | ..... | 3 | ..... | ..... | 0 | |
| | 1.00 p. m. | .526 | 83.4 | 62.6 | ..... | ..... | 53 | 0.38 | N. W. | 1 | Cumulo-stratus ..... | W. | 1 | |
| | 2.00 p. m. | .509 | 84.4 | 66.2 | ..... | ..... | 57 | 0.42 | W. | 1 | Cirro-stratus..... | ..... | 1 | |
| | 3.00 p. m. | .490 | 82.8 | 65.6 | ..... | ..... | 58 | 0.44 | ..... | 3 | ..... | ..... | 1 | |
| | 4.00 p. m. | .485 | 82.7 | 65.8 | ..... | ..... | 58 | 0.44 | ..... | 1 | ..... | ..... | 1 | |
| | 5.00 p. m. | .473 | 80.8 | 64.1 | ..... | ..... | 56 | 0.43 | ..... | 0 | ..... | ..... | 1 | |
| | 6.00 p. m. | .468 | 77.2 | 62.3 | ..... | ..... | 55 | 0.48 | S. | 1 | ..... | ..... | 1 | |
| | 7.00 p. m. | .472 | 65.1 | 56.1 | ..... | ..... | 51 | 0.62 | ..... | 2 | ..... | ..... | 1 | |
| | 8.00 p. m. | .485 | 63.6 | 53.2 | ..... | ..... | 45 | 0.53 | S. E. | 1 | Stratus ..... | ..... | 1 | |
| | 9.00 p. m. | .489 | 60.6 | 50.8 | 86.1 | ..... | 44 | 0.56 | ..... | 1 | ..... | ..... | 1 | |
| Aug. 1 | 7.00 a. m. | .554 | 59.0 | 52.0 | ..... | 41.9 | 47 | 0.67 | N. W. | 1 | ..... | ..... | 0 | |
| | 2.00 p. m. | .485 | 84.8 | 67.0 | ..... | ..... | 58 | 0.42 | S. W. | 2 | Cumulo-stratus ..... | W. | 1 | |
| | 4.00 p. m. | .470 | 84.2 | 68.3 | ..... | ..... | 60 | 0.46 | W. | 3 | ..... | ..... | 1 | |
| | 5.00 p. m. | .458 | 83.8 | 65.7 | ..... | ..... | 57 | 0.42 | S. W. | 1 | ..... | ..... | 1 | |
| | 6.00 p. m. | .457 | 80.3 | 64.9 | ..... | ..... | 58 | 0.48 | S. | 1 | ..... | ..... | 1 | |
| | 7.00 p. m. | .464 | 69.0 | 58.2 | ..... | ..... | 51 | 0.56 | ..... | 3 | ..... | ..... | 1 | |
| | 8.00 p. m. | .473 | 63.4 | 53.6 | ..... | ..... | 48 | 0.60 | S. S. E. | 2 | Stratus ..... | ..... | 1 | |
| | 9.00 p. m. | .484 | 61.1 | 51.7 | 89.2 | ..... | 46 | 0.60 | ..... | 1 | ..... | ..... | 1 | |
| Aug. 2 | 7.00 a. m. | .540 | 63.4 | 52.9 | ..... | 42.2 | 46 | 0.56 | S. | 2 | ..... | ..... | 0 | Slight haze in N. W. |
| | 8.00 a. m. | .543 | 73.3 | 60.6 | ..... | ..... | 55 | 0.55 | W. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .547 | 72.8 | 62.3 | ..... | ..... | 57 | 0.58 | W. N. W. | 2 | ..... | ..... | 0 | |
| | 10.00 a. m. | .544 | 77.9 | 65.0 | ..... | ..... | 59 | 0.53 | W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .532 | 83.6 | 67.8 | ..... | ..... | 60 | 0.46 | ..... | 1 | Cumulus, cirro-stratus. | S. W. | 1 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 12.00 m ... | .525 | 88.3 | 70.1 | ..... | ..... | 61 | | N. W. | 2 | ..... | ..... | 1 | |
| | | 1.00 p. m . | .508 | 88.1 | 70.2 | ..... | ..... | 61 | 0.41 | W. | 3 | ..... | ..... | 1 | |
| | | 2.00 p. m . | .498 | 90.6 | 72.8 | ..... | ..... | 65 | 0.44 | N. W. | 2 | ..... | ..... | 1 | |
| | | 3.00 p. m . | .485 | 91.6 | 73.2 | ..... | ..... | ..... | ..... | ..... | 3 | ..... | ..... | 1 | |
| | | 4.00 p. m . | .470 | 89.8 | 70.8 | ..... | ..... | 62 | 0.40 | W. | 2 | ..... | ..... | 2 | |
| | | 5.00 p. m . | .454 | 85.2 | 68.8 | ..... | ..... | 61 | 0.46 | S. W. | 3 | Cirrus, cirro-stratus... | ..... | 5 | |
| | | 6.00 p. m . | .448 | 82.2 | 67.1 | ..... | ..... | 60 | 0.48 | S. | 2 | ..... | ..... | 7 | |
| | | 7.00 p. m . | .449 | 71.5 | 61.1 | ..... | ..... | 56 | 0.58 | S. S. W. | 3 | ..... | ..... | 3 | |
| | | 8.00 p. m . | .454 | 66.6 | 57.1 | ..... | ..... | 51 | 0.59 | S. | 2 | ..... | ..... | 3 | |
| | | 9.00 p. m . | .457 | 70.8 | 59.2 | 93.8 | ..... | 53 | 0.55 | E. | 2 | Stratus ..... | ..... | 1 | |
| Aug. | 3 | 7.00 a. m . | .462 | 65.8 | 56.0 | ..... | 51.3 | 50 | 0.59 | S. W. | 1 | Cirrus, cirro-stratus... | N. W. | 3 | |
| | | 8.00 a. m . | .465 | 70.1 | 61.1 | ..... | ..... | 57 | 0.64 | N. W. | 2 | Cirro-stratus..... | ..... | 1 | |
| | | 9.00 a. m . | .461 | 76.7 | 65.7 | ..... | ..... | 61 | 0.58 | ..... | 2 | ..... | ..... | 1 | |
| | | 10.00 a. m . | .453 | 83.0 | 69.9 | ..... | ..... | 64 | 0.53 | ..... | 1 | ..... | ..... | 0 | |
| | | 11.00 a. m . | .446 | 85.5 | 69.9 | ..... | ..... | 62 | 0.46 | W. | 4 | Cumulo-stratus, cirro-cumulus. | ..... | 1 | |
| | | 12.00 m ... | .434 | 87.0 | 70.9 | ..... | ..... | 63 | 0.46 | ..... | 5 | Cumulus, cirro-stratus. | ..... | 1 | |
| | | 1.00 p. m . | .421 | 87.9 | 70.9 | ..... | ..... | 63 | 0.44 | S. W. | 5 | ..... | ..... | 2 | |
| | | 2.00 p. m . | .406 | 88.1 | 68.1 | ..... | ..... | 58 | 0.38 | W. S. W. | 4 | Cirro-stratus, cumulo-stratus. | ..... | 4 | |
| | | 3.00 p. m . | .379 | 89.7 | 71.9 | ..... | ..... | 63 | 0.42 | W. | 4 | ..... | ..... | 3 | |
| | | 4.00 p. m . | .357 | 88.0 | 72.4 | ..... | ..... | 64 | 0.46 | W. S. W. | 5 | ..... | ..... | 3 | |
| | | 5.00 p. m | .352 | 86.2 | 71.8 | ..... | ..... | 65 | 0.51 | ..... | 4 | ..... | ..... | 4 | |
| | | 6.00 p. m . | .345 | 83 9 | 69.6 | ..... | ..... | 63 | 0.51 | ..... | 4 | ..... | ..... | 3 | |
| | | 7.00 p. m . | .355 | 80.2 | 66.2 | ..... | ..... | 59 | 0.50 | ..... | 4 | Cumulus, cumulo-stratus. | ..... | 2 | |
| | | 8.00 p. m . | .362 | 75.7 | 63.4 | ..... | ..... | 57 | 0.53 | S. W. | 3 | Stratus ..... | ..... | 1 | |
| | | 9.00 p. m . | .372 | 76.2 | 63.8 | 90.1 | ..... | 58 | 0.55 | W. | 4 | ..... | ..... | 1 | |
| Aug. | 4 | 7.00 a. m . | .500 | 67.2 | 59.1 | ..... | 49.3 | 54 | 0.65 | W. S. W. | 3 | ..... | ..... | 0 | Light haze in S.; dense in N. W. |
| | | 8.00 a. m . | .500 | 68.8 | 60.2 | ..... | ..... | 55 | 0.62 | ..... | 3 | ..... | ..... | 0 | |
| | | 9.00 a. m . | .499 | 72.9 | 64.8 | ..... | ..... | 61 | 0.68 | S. | 1 | ..... | ..... | 0 | |
| | | 10.00 a. m . | .499 | 77.2 | 67.3 | ..... | ..... | 62 | 0.61 | W. | 2 | ..... | ..... | 0 | |
| | | 11.00 a. m . | .489 | 80.2 | 69.1 | ..... | ..... | 64 | 0.59 | ..... | 2 | ..... | ..... | 0 | |
| | | 12.00 m ... | .475 | 82.5 | 70.8 | ..... | ..... | 65 | 0.56 | S. | 1 | ..... | ..... | 0 | |
| | | 1.00 p. m . | .461 | 83.4 | 70.6 | ..... | ..... | 65 | 0.56 | S. S. W. | 4 | ..... | ..... | 0 | |
| | | 2.00 p. m . | .429 | 84.3 | 70.6 | ..... | ..... | 65 | 0.53 | W. | 3 | ..... | ..... | 0 | |
| | | 3.00 p. m . | .430 | 85.5 | 72.9 | ..... | ..... | 67 | 0.54 | W. S. W. | 3 | ..... | ..... | 0 | |
| | | 4.00 p. m . | .420 | 85.2 | 72.3 | ..... | ..... | 66 | 0.54 | ..... | 3 | ..... | ..... | 0 | |
| | | 5.00 p. m . | .411 | 84.1 | 71.4 | ..... | ..... | 65 | 0.53 | ..... | 3 | ..... | ..... | 0 | |
| | | 6.00 p. m . | .400 | 81.9 | 69.8 | ..... | ..... | 64 | 0.56 | S. W. | 3 | ..... | ..... | 0 | |
| | | 7.00 p. m . | .406 | 72.3 | 62.2 | ..... | ..... | 57 | 0.61 | ..... | 3 | ..... | ..... | 0 | |
| | | 8.00 p. m . | .416 | 67.2 | 58.1 | ..... | ..... | 53 | 0.62 | ..... | 3 | ..... | ..... | 0 | |
| | | 9.00 p. m . | .424 | 68.4 | 58.3 | 87.9 | ..... | 52 | 0.59 | ..... | 3 | ..... | ..... | 0 | Moderately light aurora at 10.30, disappearing 10.45. |
| Aug. | 5 | 7.00 a. m . | .460 | 68.2 | 58.8 | ..... | 56.8 | 54 | 0.62 | E. S. E. | 3 | Cirro-stratus ..... | ..... | 1 | |
| | | 8.09 a. m . | .461 | 73.0 | 62.9 | ..... | ..... | 58 | 0.61 | S. W. | 3 | Cirrus, cirro-stratus... | ..... | 1 | |
| | | 9.00 a. m . | .454 | 78.2 | 67.3 | ..... | ..... | 62 | 0.59 | S. E. | 3 | ..... | ..... | 1 | |
| | | 10.00 a. m . | .458 | 84.1 | 71.0 | ..... | ..... | 65 | 0.53 | S. W. | 3 | ..... | ..... | 2 | |
| | | 11 00 a. m . | .443 | 84.7 | 71.7 | ..... | ..... | 66 | 0.54 | ..... | 3 | ..... | ..... | 1 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 5 | 12.00 m ... | 25.429 | 87.9 | 73.8 | ..... | ..... | 67 | 0.51 | S. | 3 | ..... | ..... | 2 | |
| | 1.00 p. m . | .402 | 89.5 | 73.6 | ..... | ..... | 66 | 0.47 | S. W. | 1 | Cumulus, cirro-stratus. | ..... | 2 | |
| | 2.00 p. m . | .377 | 90.6 | 76.4 | ..... | ..... | 69 | 0.51 | W. S. W. | 3 | ..... | ..... | 3 | |
| | 3.00 p. m . | .355 | 91.8 | 77.4 | ..... | ..... | ..... | ..... | ..... | 3 | ..... | ..... | 5 | |
| | 4.00 p. m . | .338 | 88.3 | 74.8 | ..... | ..... | 69 | 0.54 | ..... | 3 | ..... | ..... | 7 | |
| | 5.00 p. m . | .330 | 85.2 | 73.0 | ..... | ..... | 67 | 0.56 | S. W. | 3 | ..... | ..... | 8 | |
| | 6.00 p. m . | .323 | 84.4 | 72.1 | ..... | ..... | 66 | 0.56 | W. S. W. | 3 | ..... | ..... | 6 | |
| | 7.00 p. m . | .310 | 77.8 | 66.4 | ..... | ..... | 57 | 0.50 | S. W. | 3 | ..... | ..... | 4 | |
| | 8.00 p. m . | .319 | 77.2 | 66.3 | ..... | ..... | 61 | 0.58 | ..... | 3 | Stratus ..... | ..... | 1 | |
| | 9.00 p. m . | .327 | 74.8 | 64.4 | 94.4 | ..... | 59 | 0.58 | ..... | 3 | ..... | ..... | 1 | |
| Aug. 6 | 7.00 a. m . | .329 | 66.8 | 58.7 | ..... | 56.3 | 54 | 0.65 | ..... | 0 | Cirro-cumulus, cirro-stratus. | ..... | 7 | Dense haze in N. W. |
| | 8.00 a. m . | .343 | 73.2 | 62.8 | ..... | ..... | 58 | 0.61 | S. S. E. | 3 | ..... | ..... | 7 | |
| | 9.00 a. m . | .332 | 75.4 | 65.8 | ..... | ..... | 62 | 0.64 | S. W. | 4 | ..... | ..... | 7 | |
| | 10.00 a. m . | .325 | 78.1 | 68.2 | ..... | ..... | 63 | 0.61 | ..... | 4 | ..... | ..... | 7 | |
| | 11.00 a. m . | .325 | 81.8 | 71.4 | ..... | ..... | 66 | 0.59 | ..... | 4 | ..... | ..... | 4 | Light haze in S. |
| | 12.00 m ... | .312 | 83.2 | 72.8 | ..... | ..... | 68 | 0.62 | ..... | 4 | ..... | ..... | 3 | Haze increasing. |
| | 1.00 p. m . | .289 | 85.2 | 74.4 | ..... | ..... | 69 | 0.59 | W. S. W. | 4 | ..... | ..... | 3 | |
| | 2.00 p. m . | .274 | 86.1 | 75.3 | ..... | ..... | 70 | 0.59 | ..... | 5 | Cumulo-stratus, cirro-stratus. | ..... | 2 | |
| | 3.00 p. m . | .264 | 86.2 | 74.9 | ..... | ..... | 70 | 0.59 | ..... | 5 | ..... | ..... | 3 | |
| | 4.00 p. m . | .254 | 85.9 | 74.7 | ..... | ..... | 70 | 0.59 | ..... | 4 | ..... | ..... | 3 | |
| | 5.00 p. m . | .245 | 84.0 | 72.1 | ..... | ..... | 66 | 0.56 | ..... | 4 | ..... | ..... | 2 | |
| | 6.00 p. m . | .235 | 80.8 | 69.7 | ..... | ..... | 65 | 0.59 | ..... | 4 | ..... | ..... | 2 | Very hazy. |
| | 7.00 p. m . | .241 | 74.3 | 64.6 | ..... | ..... | 61 | 0.64 | S. W. | 3 | Cirro-stratus..... | ..... | 1 | |
| | 8.00 p. m . | .254 | 62.2 | 56.8 | ..... | ..... | 54 | 0.75 | ..... | 2 | Stratus ..... | ..... | 1 | |
| | 9.00 p. m . | .256 | 64.9 | 56.3 | 87.8 | ..... | 51 | 0.62 | ..... | 2 | ..... | ..... | 1 | |
| Aug. 7 | 7.00 a. m . | .279 | 64.6 | 56.2 | ..... | 53.6 | 51 | 0.62 | S. S. E. | 3 | Cumulo-stratus ..... | S. W. | 1 | Light haze in S. |
| | 8.00 a. m . | .280 | 67.3 | 60.1 | ..... | ..... | 56 | 0.69 | ..... | 3 | ..... | ..... | 0 | |
| | 9.00 a. m . | .268 | 68.6 | 61.4 | ..... | ..... | 56 | 0.66 | S. W. | 4 | ..... | ..... | 0 | |
| | 10.00 a. m . | .264 | 71.6 | 63.9 | ..... | ..... | 60 | 0.67 | ..... | 3 | ..... | ..... | 0 | |
| | 11.00 a. m . | .252 | 76.9 | 68.2 | ..... | ..... | 64 | 0.64 | ..... | 3 | ..... | ..... | 0 | |
| | 12.00 m ... | .234 | 78.1 | 68.5 | ..... | ..... | 65 | 0.65 | ..... | 4 | ..... | ..... | 0 | |
| | 1.00 p. m . | .218 | 79.7 | 70.2 | ..... | ..... | 65 | 0.61 | ..... | 3 | ..... | ..... | 0 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.00 p. m. | .195 | 81.7 | 71.1 | ..... | ..... | 66 | 0.59 | W. S. W. | 4 | Cirro-stratus..... | ..... | 1 | |
| | 3.00 p. m. | .181 | 80.8 | 70.9 | ..... | ..... | 66 | 0.62 | ..... | 4 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | 4.00 p. m. | .161 | 80.1 | 70.4 | ..... | ..... | 65 | 0.61 | ..... | 4 | Cirro-stratus, cumulo-stratus. | ..... | 1 | |
| | 5.00 p. m. | .155 | 78.7 | 68.6 | ..... | ..... | 64 | 0.61 | ..... | 4 | Cumulo-stratus ..... | ..... | 1 | |
| | 6.00 p. m. | .149 | 75.4 | 66.3 | ..... | ..... | 62 | 0.64 | ..... | 5 | ..... | ..... | 1 | |
| | 7.00 p. m. | .157 | 78.2 | 61.4 | ..... | ..... | 53 | 0.43 | ..... | 3 | Stratus ..... | ..... | 3 | |
| | 8.00 p. m. | .171 | 66.2 | 59.2 | ..... | ..... | 55 | 0.69 | S. W. | 2 | ..... | ..... | 1 | |
| | 9.00 p. m. | .178 | 61.7 | 56.4 | 82.1 | ..... | 52 | 0.71 | ..... | 2 | ..... | ..... | 1 | |
| Aug. 8 | 6.30 a. m. | .281 | 54.0 | 49.2 | ..... | 53.1 | 44 | 0.71 | W. S. W. | 3 | Cirro-cumulus ..... | ..... | 3 | Very hazy in S. |
| | 7.00 a. m. | .292 | 54.6 | 50.3 | ..... | ..... | 47 | 0.75 | ..... | 3 | ..... | ..... | 2 | |
| | 7.30 a. m. | .303 | 55.2 | 51.4 | ..... | ..... | 48 | 0.79 | ..... | 3 | ..... | ..... | 1 | |
| | 8.00 a. m. | .303 | 56.4 | 52.5 | ..... | ..... | 51 | 0.84 | ..... | 3 | ..... | ..... | 1 | |
| | 9.00 a. m. | .320 | 59.2 | 54.9 | ..... | ..... | 52 | 0.80 | ..... | 3 | Cumulo-stratus ..... | ..... | 1 | |
| | 10.00 a. m. | .335 | 65.3 | 60.6 | ..... | ..... | 59 | 0.81 | W. | 1 | ..... | ..... | 1 | |
| | 11.00 a. m. | .331 | 64.2 | 59.3 | ..... | ..... | 56 | 0.75 | S. | 3 | ..... | ..... | 2 | |
| | 12.00 m.... | .332 | 71.3 | 64.8 | ..... | ..... | 62 | 0.74 | N. W. | 3 | ..... | ..... | 2 | |
| | 1.00 p. m. | .338 | 74.1 | 67.0 | ..... | ..... | 64 | 0.71 | ..... | 3 | Cumulus, cumulo-stratus. | ..... | 2 | |
| | 2.00 p. m. | .341 | 74.1 | 66.7 | ..... | ..... | 64 | 0.71 | N. | 1 | ..... | ..... | 6 | |
| | 3.00 p. m. | .344 | 70.3 | 63.4 | ..... | ..... | 60 | 0.71 | ..... | 2 | ..... | ..... | 6 | |
| | 4.00 p. m. | .343 | 71.6 | 64.4 | ..... | ..... | 60 | 0.67 | ..... | 3 | ..... | ..... | 4 | |
| | 5.00 p. m. | .342 | 69.1 | 62.1 | ..... | ..... | 58 | 0.69 | ..... | 4 | ..... | ..... | 1 | |
| | 6.00 p. m. | .358 | 65.2 | 59.3 | ..... | ..... | 55 | 0.73 | N. N. E. | 4 | ..... | ..... | 0 | |
| | 7.00 p. m. | .378 | 61.1 | 55.5 | ..... | ..... | 53 | 0.75 | ..... | 3 | Stratus ..... | ..... | 1 | |
| | 7.30 p. m. | .389 | 58.9 | 54.2 | ..... | ..... | 51 | 0.76 | ..... | 3 | ..... | ..... | 1 | |
| | 8.00 p. m. | .398 | 57.7 | 55.3 | ..... | ..... | 53 | 0.84 | ..... | 3 | ..... | ..... | 1 | |
| | 8.30 p. m. | .406 | 57.1 | 52.7 | ..... | ..... | 50 | 0.75 | ..... | 3 | ..... | ..... | 0 | |
| | 9.00 p. m. | .409 | 55.8 | 51.5 | 77.4 | ..... | 49 | 0.79 | ..... | 3 | ..... | ..... | 0 | |
| Aug. 9 | 7.00 a. m. | .418 | 44.4 | 43.4 | ..... | 30.4 | 42 | 0.93 | S. S. W. | 2 | Cirrus-stratus..... | W. | 1 | |
| | 8.00 a. m. | .411 | 52.8 | 49.9 | ..... | ..... | 47 | 0.82 | N. W. | 3 | Cirrus, cirro-stratus... | ..... | 2 | |
| | 9.00 a. m. | .397 | 61.1 | 56.3 | ..... | ..... | 53 | 0.75 | W. S. W. | 1 | Cirrus, cirro-cumulus.. | ..... | 4 | |
| | 10.00 a. m. | .384 | 66.2 | 59.7 | ..... | ..... | 56 | 0.73 | S. | 1 | ..... | ..... | 3 | |
| | 11.00 a. m. | .361 | 71.1 | 62.4 | ..... | ..... | 58 | 0.64 | S. S. W. | 3 | Cirrus, cirro-stratus... | ..... | 2 | |
| | 12.00 m.... | .339 | 74.2 | 64.8 | ..... | ..... | 61 | 0.64 | N. W. | 1 | Cirrus, cirro-cumulus.. | N. W. | 3 | |
| | 1.00 p. m. | .323 | 79.4 | 69.1 | ..... | ..... | 64 | 0.61 | ..... | 0 | ..... | ..... | 6 | |
| | 2.00 p. m. | .304 | 76.7 | 67.4 | ..... | ..... | 62 | 0.61 | S. S. E. | 1 | ..... | ..... | 3 | |
| | 3.00 p. m. | .271 | 75.8 | 66.2 | ..... | ..... | 61 | 0.61 | S. S. W. | 3 | Cumulus, cumulo-stratus. | ..... | 2 | |
| | 4.00 p. m. | .255 | 78.7 | 69.1 | ..... | ..... | 64 | 0.61 | W. | 2 | ..... | ..... | 2 | |
| | 5.00 p. m. | .241 | 74.6 | 65.5 | ..... | ..... | 62 | 0.64 | ..... | 3 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | 6.00 p. m. | .239 | 72.3 | 64.3 | ..... | ..... | 60 | 0.67 | N. W. | 2 | ..... | ..... | 1 | |
| | 7.00 p. m. | .238 | 66.3 | 60.1 | ..... | ..... | 56 | 0.73 | S. | 1 | Cirro-cumulus ..... | ..... | 7 | |
| | 8.00 p. m. | .243 | 62.9 | 57.1 | ..... | ..... | 53 | 0.71 | ..... | 1 | ..... | ..... | 7 | Few drops of rain at 8.20. |
| | 9.00 p. m. | .241 | 65.7 | 58.8 | 81.4 | ..... | 55 | 0.69 | S. E. | 3 | ..... | ..... | 7 | |
| Aug. 10 | 6.30 a. m. | .246 | 59.7 | 55.9 | ..... | 53.8 | 53 | 0.80 | N. W. | 2 | Cirro-cumulus ..... | W. S. W. | 3 | |
| | 7.00 a. m. | .248 | 58.9 | 54.5 | ..... | ..... | 52 | 0.80 | ..... | 2 | ..... | ..... | 2 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 10 | 7.30 a. m. | 25.249 | 60.3 | 56.3 | ..... | ..... | 53 | 0.80 | ..... | 2 | ..... | ..... | 2 | |
| | 8.00 a. m. | .248 | 64.5 | 59.4 | ..... | ..... | 55 | 0.73 | S. | 1 | Cirro-cumulus, cirro-stratus. | ..... | 2 | |
| | 9.00 a. m. | .244 | 71.2 | 64.4 | ..... | ..... | 60 | 0.71 | N. E. | 1 | ..... | ..... | 1 | |
| | 10.00 a. m. | .238 | 76.2 | 67.3 | ..... | ..... | 63 | 0.64 | W. | 3 | ..... | ..... | 2 | |
| | 11.00 a. m. | .233 | 77.6 | 68.8 | ..... | ..... | 65 | 0.65 | S. S. W. | 3 | Cumulus, cirro-cumulus. | ..... | 8 | |
| | 12.00 m ... | .211 | 76.1 | 67.2 | ..... | ..... | 63 | 0.64 | S. | 1 | Cumulus, cirro-stratus. | ..... | 7 | Thunder and light nimbus clouds S. |
| | 1.00 p. m. | .203 | 77.3 | 69.0 | ..... | ..... | 65 | 0.68 | E. S. E. | 2 | ..... | ..... | 6 | |
| | 2.00 p. m. | .195 | 77.6 | 70.4 | ..... | ..... | 66 | 0.68 | S. S. E. | 3 | Cumulus, cumulo-stratus. | ..... | 3 | |
| | 3.00 p. m. | .169 | 76.6 | 69.2 | ..... | ..... | 65 | 0.68 | S. E. | 3 | ..... | ..... | 8 | |
| | 4.00 p. m. | .189 | 73.3 | 66.3 | ..... | ..... | 63 | 0.71 | S. W. | 2 | ..... | ..... | 8 | |
| | 5.00 p. m. | .164 | 71.7 | 64.7 | ..... | ..... | 62 | 0.71 | E. S. E. | 3 | ..... | ..... | 8 | Thunder in N. W. and few drops of rain at 4.15. |
| | 6.00 p. m. | .169 | 69.8 | 64.4 | ..... | ..... | 61 | 0.74 | S. E. | 3 | Cirro-cumulus, cumulo-stratus. | ..... | 6 | |
| | 7.00 p. m. | .169 | 67.4 | 62.1 | ..... | ..... | 59 | 0.77 | ..... | 3 | Cirrus, cirro-stratus... | ..... | 10 | |
| | 7.30 p. m. | .183 | 65.5 | 61.2 | ..... | ..... | 59 | 0.81 | ..... | 3 | ..... | ..... | 10 | |
| | 8.00 p. m. | .183 | 65.9 | 61.3 | ..... | ..... | 58 | 0.77 | ..... | 3 | ..... | ..... | 7 | |
| | 8.30 p. m. | .187 | 66.4 | 61.3 | ..... | ..... | 58 | 0.77 | ..... | 3 | ..... | ..... | 4 | |
| | 9.00 p. m. | .190 | 65.4 | 60.4 | 82.1 | ..... | 57 | 0.76 | ..... | 3 | ..... | ..... | 3 | |
| Aug. 11 | 7.00 a. m. | .248 | 64.2 | 58.8 | ..... | 49.6 | 56 | 0.75 | S. E. | 3 | Cirrus, cirro-stratus... | S. W. | 3 | |
| | 2.00 p. m. | .212 | 76.7 | 68.1 | ..... | ..... | 64 | 0.64 | S. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 7 | |
| | 3.00 p. m. | .209 | 76.9 | 68.9 | ..... | ..... | 65 | 0.68 | S. W. | 3 | Cumulus, cirro-stratus. | ..... | 9 | |
| | 4.00 p. m. | .214 | 72.2 | 65.3 | ..... | ..... | 62 | 0.71 | S. | 3 | Cumulo-stratus, cirro-stratus. | ..... | 9 | |
| | 5.00 p. m. | .223 | 71.0 | 64.3 | ..... | ..... | 61 | 0.71 | ..... | 2 | Cirro-cumulus, cirro-stratus. | ..... | 7 | |
| | 6.00 p. m. | .234 | 65.7 | 60.8 | ..... | ..... | 58 | 0.77 | N. | 3 | ..... | ..... | 6 | |
| | 7.00 p. m. | .250 | 59.7 | 56.3 | ..... | ..... | 53 | 0.80 | ..... | 1 | ..... | ..... | 10 | |
| | 8.00 p. m. | .279 | 59.7 | 56.1 | ..... | ..... | 53 | 0.80 | ..... | 1 | ..... | ..... | 10 | |
| | 9.00 p. m. | .294 | 62.2 | 58.1 | 73.8 | ..... | 55 | 0.80 | ..... | 3 | ..... | ..... | 10 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 12 | 7.00 a. m. | .350 | 55.4 | 53.4 | ..... | 45.5 | 52 | 0.89 | N. W. | 2 | Cirro-cumulus, cirro-stratus. | W. | 7 | |
| | 8.00 a. m. | .365 | 59.7 | 57.1 | ..... | ..... | 55 | 0.84 | ..... | 3 | ..... | ..... | 4 | |
| | 9.00 a. m. | .370 | 65.2 | 61.6 | ..... | ..... | 60 | 0.85 | ..... | 2 | ..... | ..... | 7 | |
| | 10.00 a. m. | .373 | 71.1 | 65.7 | ..... | ..... | 64 | 0.78 | N. | 3 | Cirrus, cirro-cumulus | ..... | 6 | |
| | 11.00 a. m. | .367 | 75.3 | 69.4 | ..... | ..... | 66 | 0.75 | ..... | 3 | Cirro-stratus, cumulo-stratus. | ..... | 8 | |
| | 12.00 m ... | .360 | 78.6 | 71.9 | ..... | ..... | 69 | 0.71 | N. W. | 3 | ..... | ..... | 8 | |
| | 1.00 p. m. | .354 | 78.3 | 70.4 | ..... | ..... | 66 | 0.68 | ..... | 2 | Cumulus, cirro-stratus | ..... | 8 | |
| | 2.00 p. m. | .346 | 80.1 | 72.8 | ..... | ..... | 70 | 0.71 | W. | 2 | ..... | ..... | 5 | |
| | 3.00 p. m. | .347 | 78.2 | 71.1 | ..... | ..... | 68 | 0.71 | S. W. | 1 | Cirro-cumulus, cumulo-stratus. | ..... | 7 | |
| | 4.00 p. m. | .350 | 75.2 | 67.7 | ..... | ..... | 65 | 0.71 | W. N. W. | 3 | ..... | ..... | 7 | Dense haze in N. W. Faint lightning in S. |
| | 5.00 p. m. | .358 | 73.9 | 67.0 | ..... | ..... | 64 | 0.71 | N. W. | 3 | ..... | ..... | 8 | Heavy shower at 5.03, lasting 5 minutes. |
| | 6.00 p. m. | .372 | 68.1 | 63.7 | ..... | ..... | 62 | 0.81 | ..... | 3 | ..... | ..... | 8 | Very dark cumulus clouds in S. |
| | 7.00 p. m. | .381 | 64.7 | 60.7 | ..... | ..... | 59 | 0.81 | N. | 3 | ..... | ..... | 8 | |
| | 8.00 p. m. | .406 | 62.4 | 58.6 | ..... | ..... | 57 | 0.84 | S. S. W. | 2 | ..... | ..... | 10 | Very dark cumulus clouds in S. and N. W. |
| | 9.00 p. m. | .422 | 61.3 | 57.9 | 83.8 | ..... | 56 | 0.84 | ..... | 2 | ..... | ..... | 10 | |
| Aug. 13 | 7.00 a. m. | .466 | 51.8 | 50.7 | 65.2 | 43.4 | 50 | 0.93 | S. E. | 1 | ..... | ..... | 0 | Very hazy in N. W. Faint aurora at 9.30; rays scarcely perceptible. |
| Aug. 14 | 2.00 p. m. | .314 | 85.1 | 74.6 | ..... | 43.4 | 70 | 0.62 | S. W. | 3 | Cumulus, cumulo-stratus. | W. | 3 | |
| | 3.00 p. m. | .295 | 84.8 | 74.7 | ..... | ..... | 70 | 0.62 | S. S. W. | 2 | ..... | ..... | 6 | |
| | 4.00 p. m. | .278 | 82.8 | 71.8 | ..... | ..... | 67 | 0.59 | ..... | 0 | ..... | ..... | 7 | |
| | 5.00 p. m. | .263 | 82.2 | 72.2 | ..... | ..... | 67 | 0.62 | W. | 2 | ..... | ..... | 6 | |
| | 6.00 p. m. | .253 | 78.7 | 69.8 | ..... | ..... | 66 | 0.65 | S. S. W. | 1 | ..... | ..... | 4 | |
| | 7.00 p. m. | .251 | 72.1 | 64.9 | ..... | ..... | 62 | 0.71 | E. S. E. | 2 | ..... | ..... | 2 | |
| | 8.00 p. m. | .252 | 66.5 | 60.3 | ..... | ..... | 56 | 0.69 | S. S. W. | 2 | Cumulo-stratus ..... | ..... | 1 | Moderately bright aurora at 8.55. |
| | 9.00 p. m. | .247 | 69.7 | 62.2 | ..... | ..... | 58 | 0.67 | E. | 2 | Stratus ..... | ..... | 1 | Disappearing at 9.10. |
| Aug. 15 | 7.00 a. m. | .251 | 68.7 | 59.7 | ..... | 59.2 | 55 | 0.62 | E. S. E. | 3 | Cumulus, cumulo-stratus. | W. | 1 | Dense haze in N. W. |
| | 8.00 a. m. | .256 | 73.2 | 65.6 | ..... | ..... | 63 | 0.71 | S. | 3 | ..... | ..... | 1 | |
| | 9.00 a. m. | .255 | 75.2 | 66.9 | ..... | ..... | 63 | 0.68 | W.S.W. | 3 | ..... | ..... | 1 | |
| | 10.00 a. m. | .252 | 78.1 | 69.2 | ..... | ..... | 65 | 0.65 | S. W. | 3 | ..... | ..... | 1 | |
| | 11.00 a. m. | .237 | 80.8 | 71.9 | ..... | ..... | 68 | 0.65 | ..... | 4 | ..... | ..... | 1 | |
| | 12.00 m ... | .217 | 84.8 | 74.7 | ..... | ..... | 70 | 0.62 | W. | 2 | ..... | ..... | 1 | |
| | 1.00 p. m. | .198 | 81.9 | 76.5 | ..... | ..... | 75 | 0.79 | W.S.W. | 3 | ..... | ..... | 2 | |
| | 2.00 p. m. | .164 | 89.8 | 79.2 | ..... | ..... | 74 | 0.59 | ..... | 2 | ..... | ..... | 4 | |
| | 3.00 p. m. | .153 | 86.9 | 72.5 | ..... | ..... | 66 | 0.51 | S. W. | 4 | ..... | ..... | 4 | |
| | 4.00 p. m. | .135 | 85.7 | 75.2 | ..... | ..... | 70 | 0.59 | ..... | 4 | ..... | ..... | 5 | |
| | 5.00 p. m. | .124 | 83.4 | 73.6 | ..... | ..... | 70 | 0.65 | ..... | 2 | ..... | ..... | 4 | |
| | 6.00 p. m. | .132 | 80.4 | 70.6 | ..... | ..... | 67 | 0.65 | ..... | 3 | ..... | ..... | 6 | |
| | 7.00 p. m. | .136 | 73.3 | 64.9 | ..... | ..... | 61 | 0.68 | W. S. W. | 1 | Cirro-cumulus, cumulo-stratus. | ..... | 4 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 15 | 8.00 p. m. | 25.157 | 66.6 | 59.7 | ..... | ..... | 56 | 0.69 | ..... | 1 | ..... | ..... | 3 | |
| | 9.00 p. m. | .169 | 67.8 | 60.4 | 90.6 | ..... | 55 | 0.66 | W. | 3 | ..... | ..... | 3 | |
| Aug. 16 | 7.00 a. m. | .326 | 55.2 | 51.0 | ..... | 49.4 | 48 | 0.79 | S. W. | 4 | ..... | ..... | 0 | |
| | 8.00 a. m. | .337 | 58.9 | 54.9 | ..... | ..... | 52 | 0.80 | ..... | 4 | ..... | ..... | 0 | |
| | 9.00 a. m. | .344 | 61.2 | 57.3 | ..... | ..... | 54 | 0.80 | W. | 3 | ..... | ..... | 0 | |
| | 10.00 a. m. | .348 | 65.6 | 61.1 | ..... | ..... | 58 | 0.77 | W. S. W. | 2 | Cumulus | W. | 1 | |
| | 11.00 a. m. | .338 | 68.1 | 63.6 | ..... | ..... | 62 | 0.81 | S. W. | 2 | ..... | ..... | 1 | |
| | 12.00 m ... | .321 | 71.4 | 65.8 | ..... | ..... | 64 | 0.78 | ..... | 2 | ..... | ..... | 1 | |
| | 1.00 p. m. | .316 | 70.9 | 64.9 | ..... | ..... | 62 | 0.74 | W. | 4 | Cumulus, cumulo-stratus. | ..... | 3 | |
| | 2.00 p. m. | .303 | 73.4 | 67.7 | ..... | ..... | 66 | 0.78 | W. S. W. | 4 | ..... | ..... | 4 | |
| | 3.00 p. m. | .294 | 74.2 | 67.8 | ..... | ..... | 65 | 0.75 | ..... | 3 | ..... | ..... | 2 | |
| | 4.00 p. m. | .280 | 73.5 | 66.4 | ..... | ..... | 62 | 0.68 | ..... | 3 | ..... | ..... | 2 | |
| | 5.00 p. m. | .280 | 71.1 | 64.7 | ..... | ..... | 62 | 0.74 | ..... | 3 | Cirro-cumulus, cumulo-stratus. | ..... | 1 | |
| | 6.00 p. m. | .281 | 69.1 | 62.6 | ..... | ..... | 59 | 0.73 | ..... | 3 | Cirro-stratus, cumulo-stratus. | ..... | 1 | |
| | 7.00 p. m. | .291 | 63.3 | 57.7 | ..... | ..... | 55 | 0.75 | ..... | 2 | ..... | ..... | 1 | |
| | 8.00 p. m. | .310 | 54.2 | 50.3 | ..... | ..... | 46 | 0.76 | S. W. | 1 | Stratus | ..... | 1 | |
| | 9.00 p. m. | .302 | 52.4 | 48.8 | 76.9 | ..... | 46 | 0.82 | ..... | 2 | ..... | ..... | . | |
| Aug. 17 | 7.00 a. m. | .330 | 58.5 | 54.2 | ..... | 41.3 | 51 | 0.75 | S. S. E. | 1 | Cirro-stratus | ..... | 1 | |
| | 8.00 a. m. | .332 | 61.1 | 57.6 | ..... | ..... | 56 | 0.84 | S. W. | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .332 | 64.4 | 59.7 | ..... | ..... | 57 | 0.80 | ..... | 3 | ..... | ..... | 0 | |
| | 10.15 a. m. | .322 | 68.5 | 63.1 | ..... | ..... | 59 | 0.73 | ..... | 3 | Cumulo-stratus | ..... | 1 | |
| | 11.00 a. m. | .312 | 69.1 | 63.4 | ..... | ..... | 59 | 0.73 | ..... | 3 | ..... | ..... | 1 | |
| | 12.00 m ... | .300 | 74.9 | 68.0 | ..... | ..... | 65 | 0.71 | ..... | 3 | Cirro-stratus, cumulo-stratus. | ..... | 1 | |
| | 1 00 p. m. | .285 | 75.8 | 68.9 | ..... | ..... | 66 | 0.71 | ..... | 4 | ..... | ..... | 1 | |
| | 2.00 p. m. | .270 | 75.4 | 69.0 | ..... | ..... | 66 | 0.75 | ..... | 3 | ..... | ..... | 1 | |
| | 3.00 p. m. | .260 | 76.2 | 69.2 | ..... | ..... | 66 | 0.71 | ..... | 4 | ..... | ..... | 1 | |
| | 4.00 p. m. | .244 | 77.2 | 69.3 | ..... | ..... | 65 | 0.68 | ..... | 4 | ..... | ..... | 1 | |
| | 5.00 p. m. | .231 | 74.9 | 67.6 | ..... | ..... | 65 | 0.71 | ..... | 4 | ..... | ..... | 1 | |
| | 6.00 p. m. | .227 | 71.8 | 64.9 | ..... | ..... | 62 | 0.71 | ..... | 3 | ..... | ..... | 1 | |
| | 7.00 p. m. | .226 | 61.7 | 56.6 | ..... | ..... | 54 | 0.75 | ..... | 3 | ..... | ..... | 1 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8.00 p. m. | .236 | 56.2 | 52.2 | ..... | ..... | 49 | 0.79 | ..... | 3 | ..... | ..... | 1 | |
| | 9.00 p. m. | .237 | 53.9 | 50.6 | 78.1 | ..... | 58 | 0.82 | S. E. | 1 | ..... | ..... | 3 | |
| Aug. 18 | 7.00 a. m. | .250 | 54.8 | 52.1 | ..... | 51.8 | 50 | 0.84 | S. | 1 | Cirro-stratus, cirro-cumulus. | W. | 1 | |
| | 8.00 a. m. | .251 | 62.1 | 58.2 | ..... | ..... | 55 | 0.80 | N. W. | 2 | ..... | ..... | 1 | |
| | 9.00 a. m. | .242 | 68.7 | 63.9 | ..... | ..... | 61 | 0.77 | ..... | 2 | ..... | ..... | 1 | |
| | 10 00 a. m. | .231 | 75.6 | 69.5 | ..... | ..... | 67 | 0.75 | W. N. W. | 2 | ..... | ..... | 1 | |
| | 11.00 a. m. | .210 | 82.0 | 74.9 | ..... | ..... | 72 | 0.71 | N. W. | 2 | Cumulo-stratus ..... | ..... | 1 | |
| | 12.00 m ... | .185 | 83.9 | 75.5 | ..... | ..... | 72 | 0.68 | W. | 3 | Cirro-cumulus ..... | ..... | 1 | |
| | 1.00 p. m. | .165 | 83.1 | 75.2 | ..... | ..... | 71 | 0.68 | S. S. W. | 3 | Cumulus..... | ..... | 1 | |
| | 2.00 p. m. | .135 | 81.8 | 74.2 | ..... | ..... | 70 | 0.68 | S. | 3 | Cumulus, cirro-stratus | ..... | 1 | |
| | 3.00 p. m. | .114 | 84.9 | 75.9 | ..... | ..... | 72 | 0.65 | S. W. | 3 | Cumulus, cumulo-stratus. | ..... | 3 | |
| | 4.00 p. m. | .097 | 84.4 | 73.4 | ..... | ..... | 68 | 0.59 | ..... | 3 | ..... | ..... | 3 | |
| | 5.00 p. m. | .082 | 80.9 | 70.2 | ..... | ..... | 65 | 0.59 | S. E. | 3 | ..... | ..... | 3 | |
| | 6.00 p. m. | .067 | 77.2 | 68.2 | ..... | ..... | 64 | 0.64 | S. S. E. | 3 | ..... | ..... | 2 | |
| | 7.00 p. m. | .065 | 72.1 | 64.7 | ..... | ..... | 62 | 0.71 | S. E. | 3 | ..... | ..... | 1 | |
| | 8.00 p. m. | .065 | 70.6 | 63.2 | ..... | ..... | 60 | 0.71 | S. E. | 3 | ..... | ..... | 1 | |
| | 9.00 p. m. | .058 | 70.3 | 63.4 | 89.9 | ..... | 60 | 0.71 | ..... | 3 | ..... | ..... | 0 | |
| Aug. 19 | 7.00 a. m. | .127 | 70.3 | 62.1 | ..... | 54.4 | 58 | 0.67 | S. | 2 | ..... | ..... | 0 | |
| | 8.00 a. m. | .130 | 73.8 | 66.4 | ..... | ..... | 62 | 0.68 | ..... | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .140 | 76.2 | 68.3 | ..... | ..... | 64 | 0.68 | ..... | 3 | ..... | ..... | 0 | |
| | 10.00 a. m. | .137 | 78.2 | 70.8 | ..... | ..... | 68 | 0.71 | ..... | 4 | Cumulo-stratus, cirro-stratus. | W. | 1 | Wind in heavy squalls. |
| | 11.00 a. m. | .106 | 81.7 | 74.0 | ..... | ..... | 70 | 0.68 | S. W. | 4 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | 12.00 m ... | .096 | 83.1 | 76.1 | ..... | ..... | 73 | 0.72 | ..... | 3 | Cumulus, cirro-stratus | ..... | 1 | |
| | 1.00 p. m. | .086 | 84.8 | 73.3 | ..... | ..... | 67 | 0.56 | ..... | 4 | ..... | ..... | 3 | |
| | 2.00 p. m. | .077 | 86.1 | 76.8 | ..... | ..... | 73 | 0.65 | W. S. W. | 4 | ..... | ..... | 3 | |
| | 3.00 p. m. | .056 | 82.2 | 74.6 | ..... | ..... | 70 | 0.68 | ..... | 4 | ..... | ..... | 3 | |
| | 4.00 p. m. | .046 | 82.6 | 74.8 | ..... | ..... | 71 | 0.68 | ..... | 3 | ..... | ..... | 3 | |
| | 5.00 p. m. | .037 | 81.4 | 73.1 | ..... | ..... | 69 | 0.68 | ..... | 3 | ..... | ..... | 3 | |
| | 6.00 p. m. | .038 | 80.2 | 72.3 | ..... | ..... | 68 | 0.68 | W. S. W. | 3 | Cirro-cumulus ..... | ..... | 1 | |
| | 7.00 p. m. | .047 | 72.1 | 64.8 | ..... | ..... | 62 | 0.71 | S. E. | 1 | ..... | ..... | 1 | |
| | 8.00 p. m. | .067 | 63.6 | 58.8 | ..... | ..... | 56 | 0.75 | ..... | 2 | ..... | ..... | 1 | |
| | 9.00 p. m. | .073 | 59.2 | 55.0 | 86.2 | ..... | 52 | 0.80 | S. W. | 1 | ..... | ..... | 1 | |
| Aug. 20 | 7.00 a. m. | .160 | 65.1 | 60.7 | ..... | 53.1 | 59 | 0.81 | S. S. W. | 3 | Cirro-cumulus, cirro-stratus. | S. W. | 2 | Wind in heavy squalls. |
| | 8.00 a. m. | .178 | 66.6 | 62.4 | ..... | ..... | 60 | 0.81 | W. S. W. | 4 | ..... | ..... | 3 | |
| | 9.00 a. m. | .205 | 68.2 | 64.1 | ..... | ..... | 62 | 0.81 | S. W. | 4 | Cirro-cumulus, cumulo-stratus. | ..... | 3 | |
| | 10.00 a. m. | .230 | 71.2 | 66.7 | ..... | ..... | 65 | 0.82 | ..... | 5 | ..... | ..... | 5 | |
| | 11.00 a. m. | .240 | 72.7 | 68.1 | ..... | ..... | 66 | 0.78 | W. S. W. | 4 | ..... | ..... | 6 | |
| | 12.00 m ... | .273 | 68.3 | 64.2 | ..... | ..... | 62 | 0.81 | ..... | 4 | ..... | ..... | 6 | |
| | 1.00 p. m. | .296 | 68.7 | 64.5 | ..... | ..... | 63 | 0.81 | ..... | 4 | ..... | ..... | 5 | |
| | 2.00 p. m. | .303 | 72.2 | 67.6 | ..... | ..... | 62 | 0.71 | ..... | 4 | ..... | ..... | 3 | |
| | 3.00 p. m. | .312 | 71.1 | 66.7 | ..... | ..... | 65 | 0.82 | ..... | 5 | ..... | ..... | 1 | |
| | 4.00 p. m. | .316 | 70.3 | 65.9 | ..... | ..... | 64 | 0.82 | ..... | 4 | ..... | ..... | 1 | |
| | 5.00 p. m. | .324 | 69.2 | 64.9 | ..... | ..... | 63 | 0.81 | ..... | 3 | ..... | ..... | 1 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 20 | 6.00 p. m. | 25.351 | 66.2 | 62.2 | ..... | ..... | 60 | 0.81 | ..... | 3 | ..... | ..... | 0 | |
| | 7.00 p. m. | .356 | 61.8 | 57.7 | ..... | ..... | 55 | 0.80 | S. W. | 3 | ..... | ..... | 0 | |
| | 8.00 p. m. | .385 | 58.1 | 54.8 | ..... | ..... | 53 | 0.84 | S. E. | 2 | ..... | ..... | 0 | |
| | 9.00 p. m. | .395 | 55.6 | 52.9 | 73.4 | ..... | 51 | 0.84 | ..... | 2 | ..... | ..... | 0 | |
| Aug. 21 | 7.00 a. m. | .536 | 52.7 | 50.6 | ..... | 36.2 | 49 | 0.87 | S. | 2 | ..... | ..... | 0 | Atmosphere very clear. |
| | 8.00 a. m. | .540 | 60.1 | 56.6 | ..... | ..... | 55 | 0.84 | ..... | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .541 | 64.9 | 61.9 | ..... | ..... | 60 | 0.85 | W. | 2 | ..... | ..... | 0 | |
| | 10.00 a. m. | .534 | 68.8 | 64.7 | ..... | ..... | 63 | 0.81 | ..... | 2 | ..... | ..... | 0 | |
| | 11.00 a. m. | .521 | 74.6 | 69.4 | ..... | ..... | 67 | 0.78 | S. W. | 1 | ..... | ..... | 0 | |
| | 1.00 p. m. | .505 | 80.8 | 68.9 | ..... | ..... | 63 | 0.56 | W. | 2 | ..... | ..... | 0 | |
| | 2.00 p. m. | .486 | 83.9 | 74.2 | ..... | ..... | 69 | 0.62 | S. W. | 2 | ..... | ..... | 0 | |
| | 3.00 p. m. | .468 | 83.6 | 75.0 | ..... | ..... | 71 | 0.65 | W. N. W. | 3 | ..... | ..... | 0 | |
| | 4.00 p. m. | .457 | 82.8 | 74.9 | ..... | ..... | 71 | 0.68 | W. | 3 | ..... | ..... | 0 | |
| | 5.00 p. m. | .441 | 79.1 | 72.2 | ..... | ..... | 69 | 0.71 | S. W. | 3 | Cumulus ..... | W. | 1 | |
| | 6.00 p. m. | .438 | 75.8 | 69.6 | ..... | ..... | 67 | 0.75 | W. | 3 | ..... | ..... | 1 | |
| | 7.00 p. m. | .440 | 65.9 | 61.1 | ..... | ..... | 58 | 0.77 | S. W. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .445 | 59.6 | 55.9 | ..... | ..... | 49 | 0.50 | ..... | 3 | ..... | ..... | 0 | |
| | 9.00 p. m. | .447 | 58.2 | 54.7 | 86.3 | ..... | 53 | 0.84 | ..... | 3 | ..... | ..... | 0 | |
| Aug. 22 | 7.00 a. m. | .461 | 64.8 | 53.4 | ..... | 46.2 | 47 | 0.60 | E. S. E. | 3 | ..... | ..... | 0 | Very clear. |
| | 8.00 a. m. | .478 | 61.6 | 52.4 | ..... | ..... | 46 | 0.60 | W. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .471 | 70.6 | 58.7 | ..... | ..... | 53 | 0.55 | ..... | 2 | Cirrus ..... | W. | 1 | |
| | 10.00 a. m. | .457 | 79.3 | 63.2 | ..... | ..... | 55 | 0.46 | ..... | 2 | Cirro-stratus ..... | ..... | 1 | |
| | 11.00 a. m. | .438 | 84.9 | 63.9 | ..... | ..... | 54 | 0.36 | S. E. | 3 | ..... | ..... | 1 | |
| | 2.00 p. m. | .376 | 90.2 | 65.6 | ..... | ..... | 53 | 0.30 | S. | 3 | Cirro-cumulus ..... | ..... | 5 | Light nimbus clouds in W. at 2.40. |
| | 8.00 p. m. | .330 | 72.2 | 58.2 | ..... | ..... | 51 | 0.50 | S. W. | 2 | Cirrus, cirro-stratus ... | ..... | 6 | |
| | 9.00 p. m. | .326 | 74.3 | 58.9 | 94.1 | ..... | 52 | 0.48 | S. E. | 2 | ..... | ..... | 6 | Light nimbus clouds in N.W. at 5.50. |
| Aug. 23 | 7.00 a. m. | .328 | 70.6 | 57.3 | ..... | 55.9 | 51 | 0.52 | S. E. | 2 | ..... | ..... | 0 | |
| | 8.00 a. m. | .323 | 75.7 | 61.2 | ..... | ..... | 53 | 0.48 | E. S. E. | 4 | ..... | ..... | 0 | |
| | 9.00 a. m. | .324 | 79.3 | 63.9 | ..... | ..... | 57 | 0.48 | S. S. W. | 4 | ..... | ..... | 0 | |
| | 10.00 a. m. | .316 | 81.7 | 67.1 | ..... | ..... | 60 | 0.48 | ..... | 4 | Cumulo-stratus ..... | W. | 1 | |
| | 11.00 a. m. | .305 | 84.6 | 65.3 | ..... | ..... | 56 | 0.40 | W. S. W. | 4 | ..... | ..... | 1 | |
| | 12.00 m.... | .290 | 85.7 | 65.8 | ..... | ..... | 56 | 0.38 | S. W. | 4 | ..... | ..... | 2 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.00 p. m. | .272 | 88.7 | 66.8 | ..... | ..... | 56 | 0.34 | W. | 4 | Cirrus, cumulo-stratus. | ..... | 4 | |
| | 2.00 p. m. | .243 | 88.2 | 66.3 | ..... | ..... | 55 | 0.34 | W. S. W. | 4 | ..... | ..... | 4 | |
| | 3.00 p. m. | .227 | 86.9 | 63.7 | ..... | ..... | 57 | 0.38 | S. W. | 4 | ..... | ..... | 3 | |
| | 4.00 p. m. | .211 | 86.3 | 64.9 | ..... | ..... | 55 | 0.36 | W. | 3 | ..... | ..... | 4 | |
| | 5.00 p. m. | .205 | 83.6 | 63.4 | ..... | ..... | 53 | 0.38 | ..... | 3 | Cumulo-stratus ..... | ..... | 4 | |
| | 6.00 p. m. | .205 | 81.4 | 54.7 | ..... | ..... | 42 | 0.27 | ..... | 3 | ..... | ..... | 3 | |
| | 7.00 p. m. | .213 | 73.6 | 56.2 | ..... | ..... | 48 | 0.43 | S. W. | 2 | ..... | ..... | 2 | |
| | 8.00 p. m. | .229 | 67.5 | 51.3 | ..... | ..... | 41 | 0.42 | S. E. | 1 | ..... | ..... | 2 | |
| | 9.00 p. m. | .225 | 63.2 | 49.1 | 90.0 | ..... | 39 | 0.45 | ..... | 1 | Stratus ..... | ..... | 1 | |
| Aug. 24 | 7.00 a. m. | .238 | 66.4 | 52.1 | ..... | 50.9 | 44 | 0.47 | S. | 1 | Cirrus, cirro-stratus... | ..... | 4 | |
| | 8.00 a. m. | .236 | 63.9 | 52.0 | ..... | ..... | 44 | 0.50 | N. W. | 3 | ..... | ..... | 4 | |
| | 9.00 a. m. | .235 | 72.7 | 56.2 | ..... | ..... | 48 | 0.43 | ..... | 1 | Cirrus, cirro-cumulus .. | ..... | 5 | |
| | 2.00 p. m. | .330 | 85.4 | 71.5 | ..... | ..... | 64 | 0.51 | S. W. | 3 | Cirro-cumulus ..... | ..... | 2 | |
| | 9.00 p. m. | .178 | 64.3 | 50.4 | 91.7 | ..... | 40 | 0.45 | ..... | 3 | Stratus ..... | ..... | 1 | |
| Aug. 25 | 7.00 a. m. | .202 | 65.0 | 58.5 | ..... | 51.9 | 55 | 0.73 | S. | 1 | Cirro-cumulus ..... | S. W. | 3 | |
| | 2.00 p. m. | .208 | 89.1 | 61.3 | ..... | ..... | 47 | 0.24 | W. | 3 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | 3.00 p. m. | .300 | 85.9 | 62.8 | ..... | ..... | 52 | 0.33 | ..... | 3 | ..... | ..... | 1 | |
| | 4.00 p. m. | .196 | 84.6 | 64.0 | ..... | ..... | 53 | 0.36 | ..... | 4 | ..... | ..... | 1 | |
| | 5.00 p. m. | .196 | 82.9 | 64.3 | ..... | ..... | 55 | 0.39 | ..... | 3 | Cumulo-stratus ..... | ..... | 1 | |
| | 6.00 p. m. | .200 | 78.3 | 58.7 | ..... | ..... | 50 | 0.39 | ..... | 3 | ..... | ..... | 1 | |
| | 7.00 p. m. | .208 | 68.3 | 51.8 | ..... | ..... | 42 | 0.42 | ..... | 1 | ..... | ..... | 1 | |
| | 8.00 p. m. | .237 | 61.9 | 48.5 | ..... | ..... | 40 | 0.47 | ..... | 0 | ..... | ..... | 0 | |
| | 9.00 p. m. | .243 | 61.7 | 47.3 | 89.8 | ..... | 37 | 0.42 | ..... | 1 | ..... | ..... | 0 | |
| Aug. 26 | 7.00 a. m. | .323 | 66.3 | 55.2 | ..... | 65.4 | 48 | 0.55 | S. E. | 4 | Cirro-stratus ..... | S. W. | 1 | |
| | 2.00 p. m. | .238 | 87.5 | 68.0 | ..... | ..... | 55 | 0.34 | ..... | 1 | Cumulus, cumulo-stratus. | ..... | 5 | |
| | 9.00 p. m. | .256 | 69.0 | 61.5 | 82.5 | ..... | 58 | 0.69 | S. W. | 1 | Cirro-stratus ..... | ..... | 2 | |
| Aug. 27 | 7.00 a. m. | .371 | 66.3 | 52.0 | ..... | 46.9 | 44 | 0.47 | S. | 2 | Cirro-cumulus ..... | S. S. E. | 2 | |
| | 2.00 p. m. | .323 | 88.1 | 66.3 | ..... | ..... | 55 | 0.34 | W. | 3 | Cirro-stratus ..... | ..... | 1 | |
| | 3.00 p. m. | .309 | 86.6 | 63.9 | ..... | ..... | 53 | 0.33 | ..... | 3 | ..... | ..... | 2 | |
| | 4.00 p. m. | .294 | 83.9 | 61.6 | ..... | ..... | 51 | 0.34 | ..... | 4 | ..... | ..... | 2 | |
| | 5.00 p. m. | .285 | 81.4 | 62.3 | ..... | ..... | 53 | 0.39 | S. W. | 3 | ..... | ..... | 3 | |
| | 6.00 p. m. | .276 | 76.8 | 57.3 | ..... | ..... | 47 | 0.37 | ..... | 3 | ..... | ..... | 3 | |
| | 7.00 p. m. | .284 | 68.1 | 52.4 | ..... | ..... | 42 | 0.42 | ..... | 2 | ..... | ..... | 5 | |
| | 8.00 p. m. | .300 | 63.7 | 59.8 | ..... | ..... | 57 | 0.80 | ..... | 3 | ..... | ..... | 3 | |
| | 9.00 p. m. | .300 | 63.5 | 49.1 | 92.3 | ..... | 39 | 0.42 | ..... | 3 | ..... | ..... | 2 | |
| Aug. 28 | 7.00 a. m. | .393 | 52.3 | 43.9 | ..... | 42.4 | 36 | 0.58 | N. W. | 2 | Cirro-cumulus ..... | W. S. W. | 3 | Very hazy in N. W. |
| | 8.00 a. m. | .398 | 58.6 | 49.3 | ..... | ..... | 43 | 0.60 | N. N. W. | 2 | ..... | ..... | 3 | |
| | 9.00 a. m. | .398 | 67.8 | 52.6 | ..... | ..... | 44 | 0.45 | W. | 3 | ..... | ..... | 2 | |
| | 10.00 a. m. | .392 | 74.8 | 60.1 | ..... | ..... | 53 | 0.48 | ..... | 2 | ..... | ..... | 2 | |
| | 11.00 a. m. | .378 | 80.7 | 62.6 | ..... | ..... | 54 | 0.41 | S. W. | 2 | ..... | ..... | 2 | |
| | 12.00 m.... | .362 | 86.9 | 64.6 | ..... | ..... | 54 | 0.34 | N. W. | 2 | Cirro-cumulus, cumulo-stratus. | ..... | 2 | Light haze. |
| | 1.00 p. m. | .350 | 87.2 | 66.7 | ..... | ..... | 57 | 0.38 | N. N. W. | 3 | Cumulus, cumulo-stratus. | ..... | 2 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 28 | 2.00 p. m. | 25.332 | 88.9 | 65.4 | ..... | ..... | 53 | 0.31 | N. W. | 1 | ..... | ..... | 2 | |
| | 3.00 p. m. | .321 | 88.2 | 65.7 | ..... | ..... | 55 | 0.34 | S. E. | 1 | ..... | ..... | 2 | |
| | 4.00 p. m. | .309 | 84.4 | 64.6 | ..... | ..... | 54 | 0.38 | S. W. | 3 | ..... | ..... | 3 | |
| | 5.00 p. m. | .306 | 84.9 | 63.4 | ..... | ..... | 54 | 0.36 | ..... | 3 | ..... | ..... | 3 | |
| | 6.00 p. m. | .305 | 77.8 | 63.6 | ..... | ..... | 57 | 0.50 | ..... | 3 | ..... | ..... | 2 | |
| | 7.00 p. m. | .317 | 72.3 | 55.1 | ..... | ..... | 47 | 0.43 | S. E. | 3 | Cirrus, cirro-stratus... | ..... | 2 | |
| | 8.00 p. m. | .333 | 66.2 | 54.1 | ..... | ..... | 47 | 0.53 | ..... | 2 | ..... | ..... | 2 | |
| | 9.00 p. m. | .338 | 59.9 | 50.1 | 93.3 | ..... | 43 | 0.56 | ..... | 2 | ..... | ..... | 2 | |
| Aug. 29 | 7.00 a. m. | .357 | 66.1 | 56.6 | ..... | 59.9 | 52 | 0.62 | W. | 6 | Cirro-cumulus, cirro-stratus. | S. W. | 2 | High wind during night. |
| | 8.00 a. m. | .360 | 68.2 | 58.3 | ..... | ..... | 52 | 0.59 | ..... | 6 | ..... | ..... | 3 | |
| | 9.00 a. m. | .360 | 75.1 | 66.1 | ..... | ..... | 62 | 0.64 | ..... | 5 | ..... | ..... | 5 | Wind in heavy squalls. |
| | 10.00 a. m. | .353 | 82.3 | 67.2 | ..... | ..... | 60 | 0.48 | ..... | 4 | ..... | ..... | 6 | |
| | 11.00 a. m. | .348 | 80.9 | 64.2 | ..... | ..... | 56 | 0.43 | ..... | 3 | ..... | ..... | 7 | |
| | 12.00 m.... | .329 | 85.9 | 71.7 | ..... | ..... | 65 | 0.51 | ..... | 3 | ..... | ..... | 7 | |
| | 1.00 p. m. | .306 | 87.0 | 72.2 | ..... | ..... | 65 | 0.49 | ..... | 3 | Cumulus, cumulo-stratus. | ..... | 7 | |
| | 2.00 p. m. | .279 | 87.1 | 69.6 | ..... | ..... | 62 | 0.44 | S. | 3 | ..... | ..... | 7 | |
| | 3.00 p. m. | .264 | 84.9 | 66.1 | ..... | ..... | 57 | 0.40 | S. E. | 3 | ..... | ..... | 8 | |
| | 4.00 p. m. | .258 | 82.0 | 64.9 | ..... | ..... | 57 | 0.44 | ..... | 3 | ..... | ..... | 7 | |
| | 5.00 p. m. | .254 | 77.8 | 62.4 | ..... | ..... | 54 | 0.45 | S. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 8 | |
| | 6.00 p. m | .261 | 72.3 | 62.8 | ..... | ..... | 59 | 0.64 | S. W. | 3 | ..... | ..... | 9 | Heavy nimbus clouds in N. and N. W. at 5.30. |
| | 7.00 p. m. | .277 | 71.1 | 61.7 | ..... | ..... | 58 | 0.64 | S. | 1 | ..... | ..... | 9 | |
| | 8.00 p. m. | .301 | 68.9 | 57.3 | ..... | ..... | 50 | 0.53 | ..... | 3 | ..... | ..... | 4 | |
| | 9.00 p. m. | .294 | 63.7 | 55.2 | 93.6 | ..... | 49 | 0.60 | S. E. | 2 | ..... | ..... | 4 | Faint lightning in N. at 8.50, |
| Aug. 30 | 7.00 a. m. | .248 | 64.5 | 55.6 | ..... | 56.4 | 51 | 0.62 | S. E. | 3 | Cirro-cumulus, cumulo-stratus. | S. S. W. | 9 | |
| | 8.00 a. m. | .245 | 66.7 | 58.0 | ..... | ..... | 53 | 0.62 | N. W. | 3 | ..... | ..... | 9 | |
| | 9.00 a. m. | .243 | 72.2 | 61.7 | ..... | ..... | 57 | 0.61 | S. | 1 | ..... | ..... | 9 | |
| | 10.00 a. m. | .240 | 73.1 | 61.9 | ..... | ..... | 57 | 0.58 | S. E. | 4 | ..... | ..... | 9 | |
| | 11.00 a. m. | .227 | 75.7 | 66.6 | ..... | ..... | 63 | 0.64 | ..... | 4 | ..... | ..... | 8 | |
| | 12.00 m.... | .221 | 73.2 | 64.6 | ..... | ..... | 60 | 0.64 | ..... | 4 | ..... | ..... | 8 | |
| | 1.00 p. m. | .201 | 70.4 | 62.7 | ..... | ..... | 59 | 0.67 | ..... | 4 | ..... | ..... | 9 | Heavy nimbus cloud in S. W. |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.00 p. m. | .184 | 68.9 | 62.3 | | | 58 | 0.69 | | 4 | | | 8 | Light rain at 1.15, lasting till 2.10. |
| | 3.00 p. m. | .160 | 71.1 | 62.2 | | | 58 | 0.64 | E. S. E. | 4 | | | 8 | |
| | 4.00 p. m. | .143 | 72.8 | 63.6 | | | 60 | 0.64 | | 4 | | | 7 | |
| | 5.00 p. m. | .125 | 73.1 | 64.7 | | | 61 | 0.68 | | 4 | | | 4 | |
| | 6.00 p. m. | .120 | 69.9 | 63.1 | | | 60 | 0.71 | | 4 | Cirrus, cirro-cumulus | | 3 | |
| | 7.00 p. m. | .129 | 66.5 | 60.2 | | | 56 | 0.73 | E. | 3 | | | 4 | |
| | 8.00 p. m. | .145 | 65.8 | 59.8 | | | 56 | 5.73 | | 4 | | | 6 | |
| | 9.00 p. m. | .140 | 64.7 | 59.1 | 75.6 | | 55 | 0.73 | | 5 | | | 6 | |
| Aug. 31 | 7.00 a. m. | .224 | 57.3 | 53.8 | | 53.4 | 52 | 0.84 | S. E. | 2 | Cirro-cumulus, cirro-stratus. | S. W. | 10 | Heavy rain during night. |
| | 8.00 a. m. | .233 | 59.2 | 54.9 | | | 52 | 0.80 | | 3 | | | 10 | Light shower at 7.00 A. M. |
| | 9.00 a. m. | .244 | 61.4 | 55.5 | | | 51 | 0.71 | S. S. W. | 3 | | | 8 | |
| | 10.00 a. m. | .244 | 65.4 | 58.9 | | | 55 | 0.73 | W. | 3 | | | 7 | |
| | 11.00 a. m. | .242 | 69.2 | 60.9 | | | 56 | 0.66 | | 3 | Cumulus, cumulo-stratus. | | 5 | |
| | 12.00 m. | .232 | 71.4 | 61.7 | | | 58 | 0.64 | S. | 4 | | | 8 | |
| | 1.00 p. m. | .225 | 72.9 | 61.8 | | | 57 | 0.58 | S. S. W. | 3 | | | 6 | |
| | 2.00 p. m. | .204 | 74.9 | 63.6 | | | 59 | 0.58 | S. | 2 | | | 6 | |
| | 3.00 p. m. | .198 | 78.0 | 65.7 | | | 60 | 0.56 | S. W. | 2 | | | 5 | |
| | 4.00 p. m. | .191 | 76.2 | 63.7 | | | 58 | 0.55 | W. S. W. | 3 | | | 3 | |
| | 5.00 p. m. | .185 | 74.6 | 61.8 | | | 56 | 0.53 | S. | 3 | | | 4 | Distant thunder in S. at 4.13. |
| | 6.00 p. m. | .187 | 71.9 | 61.2 | | | 56 | 0.58 | | 2 | | | 7 | |
| | 7.00 p. m. | .189 | 66.8 | 59.3 | | | 54 | 0.65 | S. E. | 3 | Cirrus, cirro-stratus | | 9 | |
| | 8.00 p. m. | .195 | 65.1 | 58.9 | | | 55 | 0.73 | | 3 | | | 8 | |
| | 9.00 p. m. | .195 | 66.3 | 59.1 | | | 55 | 0.69 | | 4 | | | 9 | |
| Sept. 1 | 7.00 a. m. | .232 | 62.3 | 58.0 | | 55.2 | 55.2 | 0.80 | N. E. | 1 | Cirro-cumulus, cirro-stratus. | S. S. W. | 9 | |
| | 8.00 a. m. | .235 | 64.7 | 58.9 | | | 55.4 | 0.72 | S. E. | 3 | | | 9 | |
| | 9.00 a. m. | .236 | 68.3 | 62.4 | | | 58.4 | 0.73 | E. S. E. | 4 | | | 4 | |
| | 10.00 a. m. | .235 | 72.1 | 63.2 | | | 58.5 | 0.64 | S. W. | 3 | Cumulus, cumulo-stratus. | | 4 | |
| | 11.00 a. m. | .217 | 73.0 | 63.7 | | | 59.5 | 0.64 | | 4 | | | 6 | |
| | 12.00 m. | .202 | 75.9 | 66.1 | | | 61.0 | 0.61 | S. S. W. | 4 | | | 6 | Heavy nimbus clouds and thunder N. W. |
| | 1.00 p. m. | .203 | 59.2 | 54.6 | | | 52.2 | 0.80 | S. W. | 2 | Cumulus, cumulo-stratus. | | 9 | Heavy shower from 12.35 to 12.45. |
| | 2.00 p. m. | .284 | 60.1 | 56.8 | | | 54.9 | 0.84 | S. E. | 1 | Cirro-cumulus, cirro-stratus. | | 10 | Light rain from 1.40 to 2.10. |
| | 3.00 p. m. | .301 | 57.8 | 55.2 | | | 52.9 | 0.84 | S. E. | 1 | Cirro-cumulus, cirro-stratus. | | 10 | |
| | 4.00 p. m. | .312 | 57.0 | 55.1 | | | 53.6 | 0.89 | | 2 | | | 10 | |
| | 5.00 p. m. | .266 | 57.1 | 54.6 | | | 53.6 | 0.89 | | 2 | | | 10 | Clouds very low in S. & S. E. |
| | 6.00 p. m. | .263 | 58.3 | 54.2 | | | 51.2 | 0.80 | | 3 | | | 10 | Heavy shower from 5.15 to 5.25; rain moderately heavy at 6.20, ending 8.20. |
| | 7.00 p. m. | .261 | 56.7 | 53.9 | | | 51.9 | 0.84 | S. E. | 4 | Cirro-cumulus, cirro-stratus. | | 10 | |
| | 7.30 p. m. | .264 | 57.1 | 53.7 | | | 51.9 | 0.84 | | 3 | | | 10 | |
| | 8.00 p. m. | .266 | 56.7 | 53.9 | | | 51.9 | 0.84 | | 1 | | | 10 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 1 | 8.30 p. m. | 25.263 | 57.4 | 53.3 | ..... | ..... | 50.2 | 0.80 | ..... | 4 | ..... | ..... | 10 | |
| | 9.00 p. m. | .256 | 57.1 | 53.6 | 77.4 | ..... | 50.2 | 0.80 | ..... | 3 | ..... | ..... | 8 | |
| Sept. 2 | 7.00 a. m. | .205 | 60.9 | 55.6 | ..... | 50.1 | 52.5 | 0.75 | S. E. | 4 | Cirro-cumulus, cumulo-stratus. | S. | 2 | Atmosphere very clear. |
| | 8.00 a. m. | .206 | 65.6 | 58.2 | ..... | ..... | 53.2 | 0.65 | ..... | 4 | ..... | ..... | 2 | |
| | 4.00 p. m. | .176 | 70.9 | 62.3 | ..... | ..... | 57.5 | 0.64 | S. W. | 1 | Cumulus..... | ..... | 1 | |
| | 5.00 p. m. | .175 | 64.8 | 57.7 | ..... | ..... | 53.8 | 0.69 | ..... | 3 | Cumulo-stratus ..... | ..... | 1 | |
| | 6.00 p. m. | .173 | 60.1 | 54.6 | ..... | ..... | 51.5 | 0.75 | S. S. W. | 3 | ..... | ..... | 1 | |
| | 7.00 p. m. | .173 | 56.3 | 52.4 | ..... | ..... | 49.2 | 0.79 | S. E. | 1 | Cirro-cumulus, cirro-stratus. | ..... | 1 | |
| | 8.00 p. m. | .172 | 53.7 | 51.0 | ..... | ..... | 48.0 | 0.81 | ..... | 1 | Cirro-cumulus ..... | ..... | 1 | |
| | 9.00 p. m. | .155 | 50.7 | 49.1 | 81.8 | ..... | 47.0 | 0.87 | ..... | 1 | ..... | ..... | 1 | |
| Sept. 3 | 7.00 a. m. | .180 | 59.2 | 57.8 | ..... | 47.3 | 57.3 | 0.94 | S. E. | 2 | Cirro-cumulus, cirro-stratus. | S. | 8 | Heavy rain during night; dark nimbus clouds in W. and S. W.; moderate rain from 7.23 to 7.50; thunder and faint lightning in S. at 7.30. |
| | 8.00 a. m. | .176 | 65.2 | 60.9 | ..... | ..... | 58.6 | 0.81 | S. E. | 3 | ..... | ..... | 5 | Bright single rainbow in W. at 7.45; light shower from 8.20 to 8.35; raining heavily in S. and S. E. at 8.20; very clear in N. W.; bright single rainbow in E. at 8.33. |
| | 9.00 a. m. | .162 | 68.6 | 62.4 | ..... | ..... | 57.8 | 0.69 | ..... | 3 | ..... | ..... | 4 | |
| | 10.00 a. m. | .155 | 73.3 | 65.9 | ..... | ..... | 62.5 | 0.71 | ..... | 3 | ..... | ..... | 6 | |
| | 11.00 a. m. | .135 | 71.4 | 64.7 | ..... | ..... | 62.0 | 0.74 | ..... | 4 | ..... | ..... | 8 | Heavy rain from 11.10 to 11.45; heavy thunder at 11.45. |
| | 12.00 m.... | .141 | 65.2 | 60.1 | ..... | ..... | 57.0 | 0.76 | S. E. | 4 | Cirro-cumulus, cumulo-stratus. | ..... | 9 | Heavy rain from 12.20 to 1.45. |
| | 1.00 p. m. | .119 | 66.6 | 59.4 | ..... | ..... | 54.2 | 0.65 | ..... | 3 | ..... | ..... | 8 | Violent shower from 2.35 to 2.45. |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.00 p. m. | .106 | 67.1 | 59.5 | ..... | ..... | 54.2 | 0.65 | ..... | 3 | ..... | ..... | 9 | Violent shower with hail at 5.18; rain six minutes; hail three minutes; average size of hailstones ¼ inch; bright double rainbow in S. E. at 5.20. |
| | | 9.00 p. m. | .050 | 61.8 | 57.3 | 75.2 | ..... | 53.5 | 0.75 | S. E. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 9 | Heavy shower at 9 for five minutes; vivid lightning in W. and S. E. |
| Sept. | 4 | 7.00 a. m. | .196 | 49.8 | 47.8 | ..... | 41.4 | 48.0 | 0.93 | S. | 2 | Cirrus, cirro-stratus... | S. S. W. | 1 | Atmosphere very clear. |
| | | 8.00 a. m. | .195 | 54.6 | 50.9 | ..... | ..... | 46.5 | 0.75 | S. W. | 2 | ..... | ..... | 1 | |
| | | 9.00 a. m. | .189 | 59.6 | 54.9 | ..... | ..... | 51.5 | 0.75 | N. | 2 | ..... | ..... | 1 | |
| | | 10.00 a. m. | .193 | 63.7 | 58.0 | ..... | ..... | 53.8 | 0.71 | N. W. | 3 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | | 11.00 a. m. | .188 | 67.4 | 59.7 | ..... | ..... | 55.8 | 0.69 | S. | 1 | ..... | ..... | 2 | Dark cumulus clouds in S. W.; raining heavily in S. at 11.50; light shower from 11.57 to 12.05. |
| | | 12.00 m.... | .176 | 65.3 | 57.6 | ..... | ..... | 53.8 | 0.69 | S. | 1 | Cumulus, cumulo-stratus. | ..... | 5 | Raining heavily in S. |
| | | 1.00 p. m. | .170 | 67.3 | 58.2 | ..... | ..... | 52.6 | 0.62 | ..... | 1 | ..... | ..... | 6 | Very heavy nimbus clouds in N. E.; heavy shower at 1.18 till 1.30. |
| | | 2.00 p. m. | .150 | 69.1 | 60.4 | ..... | ..... | 54.6 | 0.62 | S. E. | 1 | Cumulus, cumulo-stratus. | ..... | 7 | |
| | | 3.00 p. m. | .143 | 73.2 | 63.9 | ..... | ..... | 59.5 | 0.64 | N. | 3 | ..... | ..... | 8 | |
| | | 4.00 p. m. | .134 | 71.3 | 60.6 | ..... | ..... | 56.0 | 0.61 | S. | 2 | ..... | ..... | 4 | |
| | | 5.00 p. m. | .134 | 67.4 | 65.4 | ..... | ..... | 63.8 | 0.90 | W. | 3 | ..... | ..... | 6 | |
| | | 6.00 p. m. | .156 | 62.0 | 52.1 | ..... | ..... | 45.0 | 0.56 | W. S. W. | 4 | ..... | ..... | 4 | Raining heavily in S. W. at 6.25. |
| | | 7.00 p. m. | .193 | 57.1 | 49.1 | ..... | ..... | 43.4 | 0.63 | ..... | 4 | ..... | ..... | 7 | Heavy nimbus clouds W., N. W., and S. W. |
| | | 8.00 p. m. | .222 | 54.1 | 47.2 | ..... | ..... | 40.0 | 0.62 | ..... | 3 | ..... | ..... | 10 | Light shower at 7.35, increasing to heavy rain at 7.55, ending 8.45. |
| | | 9.00 p. m. | .222 | 51.4 | 47.4 | 77.8 | ..... | 43.0 | 0.76 | S. E. | 3 | ..... | ..... | 10 | |
| Sept. | 5 | 7.00 a. m. | .277 | 46.3 | 45.6 | ..... | 44.0 | 46.0 | 1.00 | S. W. | 3 | Cirro-cumulus, cirro-stratus. | S. W. | 10 | Heavy rain during night. |
| | | 8.00 a. m. | .284 | 47.0 | 46.1 | ..... | ..... | 44.9 | 0.93 | ..... | 4 | ..... | ..... | 10 | |
| | | 9.00 a. m. | .284 | 49.4 | 48.1 | ..... | ..... | 46.9 | 0.93 | ..... | 4 | ..... | ..... | 9 | |
| | | 10.00 a. m. | .279 | 50.2 | 48.1 | ..... | ..... | 46.0 | 0.87 | ..... | 4 | ..... | ..... | 9 | Heavy rain 9.55, ending 10.15. |
| | | 11.00 a. m. | .271 | 52.9 | 50.6 | ..... | ..... | 49.0 | 0.87 | S. S. W. | 4 | ..... | ..... | 9 | Raining heavily in S. |
| | | 12.00 m.... | .281 | 54.6 | 50.2 | ..... | ..... | 46.5 | 0.75 | S. W. | 3 | ..... | ..... | 9 | Clouds lifting; shower 11.03 to 11.10. |
| | | 1.00 p. m. | .277 | 57.7 | 51.1 | ..... | ..... | 46.1 | 0.67 | ..... | 3 | ..... | ..... | 7 | |
| | | 2.00 p. m. | .261 | 59.4 | 52.8 | ..... | ..... | 48.8 | 0.71 | ..... | 4 | ..... | ..... | 7 | |
| | | 3.00 p. m. | .251 | 61.2 | 53.3 | ..... | ..... | 47.4 | 0.63 | ..... | 4 | Cirro-cumulus, cumulo-stratus. | ..... | 6 | |
| | | 4.00 p. m. | .249 | 62.1 | 53.6 | ..... | ..... | 48.4 | 0.63 | ..... | 4 | ..... | ..... | 8 | |
| | | 5.00 p. m. | .246 | 59.2 | 50.9 | ..... | ..... | 45.4 | 0.63 | S. S. W. | 3 | ..... | ..... | 7 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 5 | 6.00 p. m. | 25.240 | 57.3 | 50.2 | ..... | ..... | 45.1 | 0.67 | ..... | 3 | ..... | ..... | 6 | |
| | 7.00 p. m. | .248 | 55.5 | 49.4 | ..... | ..... | 44.1 | 0.67 | ..... | 3 | ..... | ..... | 6 | |
| | 8.00 p. m. | .258 | 52.2 | 48.6 | ..... | ..... | 46.0 | 0.82 | ..... | 3 | Cirrus, cirro-stratus | ..... | 2 | |
| | 9.00 p. m. | .257 | 51.7 | 48.1 | 62.1 | ..... | 44.0 | 0.76 | ..... | 3 | ..... | ..... | 1 | |
| Sept. 6 | 7.00 a. m. | .341 | 50.6 | 48.9 | ..... | 47.8 | 49.0 | 0.93 | S. | 3 | Cirro-cumulus, cirro-stratus. | S. S. W. | 7 | Clouds very low. |
| | 8.00 a. m. | .349 | 51.9 | 49.4 | ..... | ..... | 46.0 | 0.82 | ..... | 3 | ..... | ..... | 6 | |
| | 9.00 a. m. | .360 | 53.2 | 50.1 | ..... | ..... | 47.0 | 0.81 | S. W. | 3 | ..... | ..... | 7 | |
| | 10.00 a. m. | .361 | 58.4 | 53.4 | ..... | ..... | 50 | 0.75 | S. W. | 2 | Cirro-cumulus, cirro-stratus. | S. S. W. | 4 | |
| | 11.00 a. m. | .365 | 59.8 | 53.7 | ..... | ..... | 50 | 0.71 | S. | 3 | .....do | ..... | 4 | |
| | 12.00 m ... | .352 | 61.7 | 54.5 | ..... | ..... | 50 | 0.67 | S. | 3 | .....do | ..... | 4 | |
| | 1.00 p. m. | .347 | 68.2 | 57.4 | ..... | ..... | 50 | 0.56 | S. W. | 3 | .....do | ..... | 4 | |
| | 2.00 p. m. | .335 | 70.2 | 59.6 | ..... | ..... | 55 | 0.61 | W. | 2 | .....do | ..... | 4 | |
| | 3.00 p. m. | .322 | 71.7 | 60.8 | ..... | ..... | 56 | 0.58 | N. N. E. | 2 | .....do | ..... | 4 | |
| | 4.00 p. m. | .323 | 71.8 | 61.3 | ..... | ..... | 56 | 0.58 | N. W. | 2 | .....do | ..... | 3 | |
| | 5.00 p. m. | .329 | 68.1 | 57.4 | ..... | ..... | 50 | 0.56 | S. | 1 | .....do | ..... | 4 | |
| | 5.30 p. m. | .334 | 64.9 | 56.6 | ..... | ..... | 52 | 0.65 | N. W. | 3 | .....do | ..... | 6 | |
| | 6.00 p. m. | .334 | 60.9 | 54.1 | ..... | ..... | 49 | 0.67 | N. E. | 3 | .....do | ..... | 6 | |
| | 6.30 p. m. | .332 | 58.0 | 53.1 | ..... | ..... | 50 | 0.75 | N. | 3 | .....do | ..... | 4 | Few drops of rain at 5-32. |
| | 7.00 p. m | .343 | 56.4 | 52.3 | ..... | ..... | 49 | 0.79 | E. | 2 | .....do | ..... | 3 | |
| | 8.00 p. m. | .346 | 51.9 | 49.1 | ..... | ..... | 46 | 0.82 | S. E. | 2 | Cirrus, cirro-stratus | ..... | 2 | |
| | 9.00 p. m. | .350 | 52.3 | 49.0 | 75.2 | ..... | 46 | 0.82 | S. E. | 2 | .....do | ..... | 1 | |
| Sept. 7 | 7.00 a. m. | .412 | 53.4 | 49.7 | ..... | 42.1 | 47 | 0.82 | S. E. | 3 | ..... | ..... | 0 | |
| | 8.00 a. m. | .424 | 59.6 | 53.7 | ..... | ..... | 50 | 0.71 | S. | 2 | ..... | ..... | 0 | Light haze in northwest. |
| | 9.00 a. m. | .426 | 64.7 | 58.4 | ..... | ..... | 54 | 0.69 | S. W. | 3 | ..... | ..... | 0 | |
| | 10.00 a. m | .425 | 66.8 | 58.2 | ..... | ..... | 53 | 0.62 | S. W. | 3 | Cirro-cumulus | ..... | 1 | |
| | 11.00 a. m. | .414 | 70.1 | 59.8 | ..... | ..... | 55 | 0.61 | S. W. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 1 | |
| | 12.00 m ... | .399 | 74.0 | 62.6 | ..... | ..... | 58 | 0.58 | W. | 3 | .....do | ..... | 1 | |
| | 1.00 p. m. | .379 | 73.9 | 61.4 | ..... | ..... | 55 | 0.53 | W. | 2 | .....do | ..... | 1 | |
| | 2.00 p. m. | .363 | 75.6 | 63.7 | ..... | ..... | 58 | 0.55 | S. | 3 | .....do | ..... | 1 | |
| | 3.00 p. m. | .344 | 76.6 | 62.4 | ..... | ..... | 56 | 0.50 | S. W. | 3 | .....do | ..... | 1 | |
| | 4.00 p. m. | .330 | 76.0 | 63.1 | ..... | ..... | 57 | 0.53 | S. W. | 3 | .....do | ..... | 1 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5.00 p. m. | .315 | 75.7 | 63.1 | ..... | ..... | 57 | 0.53 | W. S. W. | 2 | .....do..... | ..... | 1 | |
| | 6.00 p. m. | .308 | 70.7 | 62.2 | ..... | ..... | 58 | 0.64 | S. W. | 1 | .....do..... | ..... | 1 | |
| | 7.00 p. m. | .312 | 61.2 | 53.1 | ..... | ..... | 47 | 0.63 | S. E. | 2 | .....do..... | ..... | 1 | |
| | 8.00 p. m. | .316 | 57.1 | 52.6 | ..... | ..... | 50 | 0.80 | S. E. | 2 | .....do..... | ..... | 1 | |
| | 9.00 p. m. | .310 | 62.2 | 54.3 | 78.7 | ..... | 48 | 0.63 | S. E. | 3 | ..... | ..... | 0 | |
| Sept. 8 | 7.00 a. m. | .267 | 58.9 | 52.7 | ..... | 54.9 | 49 | 0.71 | E. S. E. | 4 | Cumulo-stratus..... | ..... | 1 | High wind during the night. |
| | 8.00 a. m. | .264 | 63.6 | 55.7 | ..... | ..... | 50 | 0.64 | S. E. | 4 | .....do..... | ..... | 1 | |
| | 9.00 a. m. | .250 | 68.9 | 59.3 | ..... | ..... | 53 | 0.59 | S. E. | 4 | .....do..... | ..... | 2 | |
| | 10.00 a. m. | .245 | 70.3 | 59.4 | ..... | ..... | 54 | 0.58 | S. E. | 4 | Cumulus, cumulo-stratus. | ..... | 3 | |
| | 11.00 a. m. | .234 | 72.2 | 61.7 | ..... | ..... | 57 | 0.61 | S. | 4 | .....do..... | ..... | 3 | |
| | 12.00 m ... | .218 | 77.1 | 65.7 | ..... | ..... | 61 | 0.58 | S. S. W. | 4 | .....do..... | ..... | 5 | |
| | 1.00 p. m. | .210 | 77.3 | 65.9 | ..... | ..... | 61 | 0.58 | S. W. | 4 | .....do..... | ..... | 4 | |
| | 2.00 p. m. | .192 | 76.9 | 64.8 | ..... | ..... | 59 | 0.56 | S. W. | 4 | .....do..... | ..... | 3 | |
| | 3.00 p. m. | .180 | 77.4 | 64.6 | ..... | ..... | 59 | 0.56 | S. W. | 4 | Cirrus, cumulo-stratus. | ..... | 3 | |
| | 4.00 p. m. | .177 | 75.2 | 62.4 | ..... | ..... | 56 | 0.53 | S. W. | 3 | .....do..... | ..... | 5 | |
| | 5.00 p. m. | .173 | 72.6 | 59.3 | ..... | ..... | 53 | 0.52 | S. W. | 3 | .....do..... | ..... | 8 | |
| | 6.00 p. m. | .177 | 68.8 | 56.4 | ..... | ..... | 45 | 0.45 | S. W. | 3 | .....do..... | S. | 9 | Light nimbus clouds in north. |
| | 6.30 p. m. | .174 | 67.4 | 54.1 | ..... | ..... | 46 | 0.50 | S. W. | 3 | Cirrus, cirro-cumulus | ..... | 9 | Light shower at 6.10–6.27. |
| | 7.00 p. m. | .183 | 65.7 | 51.4 | ..... | ..... | 42 | 0.44 | S. W. | 3 | .....do..... | ..... | 9 | Drops very large. |
| | 8.00 p. m. | .205 | 58.8 | 50.0 | ..... | ..... | 44 | 0.60 | S. W. | 2 | .....do..... | ..... | 7 | Heavy shower at 7.18–7.25. |
| | 9.00 p. m. | .206 | 61.1 | 40.9 | 79.4 | ..... | 27 | 0.31 | S. W. | 4 | .....do..... | ..... | 4 | |
| Sept. 9 | 7.00 a. m. | .385 | 46.2 | 41.3 | ..... | 42.2 | 36 | 0.69 | S. | 2 | Cirro-cumulus, cirro-stratus. | W. | 1 | |
| | 7.30 a. m. | .402 | 47.1 | 41.5 | ..... | ..... | 37 | 0.70 | S. | 3 | .....do..... | ..... | 1 | |
| | 8.00 a. m. | .414 | 48.9 | 42.7 | ..... | ..... | 36 | 0.65 | S. W. | 3 | Cirro-stratus..... | ..... | 1 | |
| | 8.30 a. m. | .424 | 51.3 | 44.8 | ..... | ..... | 39 | 0.66 | S. S. W. | 3 | .....do..... | ..... | 1 | |
| | 9.00 a. m. | .436 | 54.3 | 47.7 | ..... | ..... | 42 | 0.67 | W. | 2 | Cirrus, cirro-cumulus | ..... | 1 | |
| | 9.30 a. m. | .439 | 56.9 | 49.2 | ..... | ..... | 43 | 0.63 | S. W. | 3 | .....do..... | ..... | 1 | |
| | 10.00 a. m. | .440 | 58.9 | 51.3 | ..... | ..... | 45 | 0.63 | W. | 3 | .....do..... | ..... | 1 | |
| | 11.00 a. m. | .436 | 61.8 | 52.7 | ..... | ..... | 47 | 0.60 | N. W. | 3 | .....do..... | ..... | 1 | |
| | 12.00 m ... | .427 | 66.1 | 53.4 | ..... | ..... | 45 | 0.50 | W. | 2 | Cirro-cumulus | ..... | 2 | |
| | 1.00 p. m. | .427 | 64.8 | 52.2 | ..... | ..... | 44 | 0.49 | W. | 3 | .....do..... | ..... | 3 | |
| | 2.00 p. m. | .418 | 66.8 | 53.7 | ..... | ..... | 46 | 0.50 | W. | 3 | .....do..... | ..... | 2 | |
| | 3.00 p. m. | .420 | 68.9 | 56.4 | ..... | ..... | 48 | 0.50 | W. | 3 | .....do..... | ..... | 1 | |
| | 4.00 p. m. | .421 | 66.7 | 52.1 | ..... | ..... | 43 | 0.45 | W. | 3 | .....do..... | ..... | 1 | |
| | 5.00 p. m. | .424 | 65.3 | 51.7 | ..... | ..... | 44 | 0.49 | W. | 2 | .....do..... | ..... | 1 | |
| | 5.30 p. m. | .428 | 62.2 | 50.3 | ..... | ..... | 42 | 0.50 | W. | 3 | .....do..... | ..... | 1 | |
| | 6.00 p. m. | .426 | 58.8 | 48.3 | ..... | ..... | 40 | 0.53 | W. S. W. | 3 | .....do..... | ..... | 1 | |
| | 6.30 p. m. | .431 | 54.7 | 44.8 | ..... | ..... | 38 | 0.56 | S. | 2 | Cirro-stratus..... | ..... | 1 | |
| | 7.00 p. m. | .440 | 51.7 | 42.6 | ..... | ..... | 34 | 0.54 | S. E. | 3 | .....do..... | ..... | 1 | |
| | 8.00 p. m. | .449 | 50.2 | 42.3 | ..... | ..... | 34 | 0.57 | S. E. | 2 | .....do..... | ..... | 0 | |
| | 9.00 p. m. | .465 | 49.4 | 41.2 | 71.2 | ..... | 32 | 0.56 | S. E. | 2 | .....do..... | ..... | 0 | |
| Sept. 10 | 7.00 a. m. | .534 | 47.3 | 41.4 | ..... | 38.6 | 34 | 0.65 | S. | 2 | ..... | ..... | 0 | |
| | 8.00 a. m. | .541 | 54.8 | 43.7 | ..... | ..... | 36 | 0.53 | W. | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .544 | 58.0 | 47.2 | ..... | ..... | 39 | 0.53 | S. S. W. | 3 | ..... | ..... | 0 | |
| | 10.00 a. m. | .538 | 59.6 | 48.8 | ..... | ..... | 41 | 0.53 | S. W. | 3 | ..... | ..... | 0 | |
| | 11.00 a. m. | .525 | 64.2 | 51.7 | ..... | ..... | 44 | 0.50 | W. | 3 | Cirro-stratus..... | ..... | 1 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 10 | 12.00 m ... | 25.511 | 69.1 | 54.1 | ..... | ..... | 45 | 0.45 | W. | 3 | Cirro-stratus ..... | ..... | 1 | |
| | 1.00 p. m . | .500 | 70.8 | 55.3 | ..... | ..... | 47 | 0.45 | W. | 3 | ..... | ..... | 0 | |
| | 2.00 p. m . | .489 | 75.9 | 57.1 | ..... | ..... | 48 | 0.39 | S. W. | 3 | Cumulus ..... | ..... | 1 | |
| | 3.00 p. m . | .481 | 71.6 | 54.7 | ..... | ..... | 47 | 0.43 | W. S. W. | 3 | .....do ..... | ..... | 1 | |
| | 4.00 p. m . | .475 | 72.7 | 56.2 | ..... | ..... | 48 | 0.43 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 5.00 p. m . | .474 | 70.7 | 55.2 | ..... | ..... | 47 | 0.45 | W. S. W. | 3 | Cumulo-stratus. ..... | ..... | 1 | |
| | 5.30 p. m . | .469 | 69.6 | 53.9 | ..... | ..... | 46 | 0.45 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 6.00 p. m . | .470 | 66.1 | 52.2 | ..... | ..... | 44 | 0.47 | S. S. W. | 3 | ..... | ..... | 0 | |
| | 6.30 p. m . | .481 | 58.2 | 48.8 | ..... | ..... | 43 | 0.60 | S. S. E. | 3 | Cirro-stratus..... | ..... | 1 | |
| | 7.00 p. m . | .482 | 58.3 | 48.2 | ..... | ..... | 41 | 0.56 | S. E. | 3 | .....do ..... | ..... | 1 | |
| | 8.00 p. m . | .495 | 56.9 | 46.1 | ..... | ..... | 38 | 0.53 | S. E. | 2 | ..... | ..... | 0 | |
| | 9.00 p. m . | .498 | 60.6 | 47.7 | 76.1 | ..... | 39 | 0.47 | S. E. | 2 | ..... | ..... | 0 | Warm wind from southeast. |
| Sept. 11 | 7.00 a. m . | .513 | 51.6 | 45.2 | ..... | 39.7 | 38 | 0.62 | N. | 1 | ..... | ..... | 0 | |
| | 7.30 a. m . | .553 | 54.8 | 46.3 | ..... | ..... | 40 | 0.59 | N. W. | 2 | ..... | ..... | 0 | |
| | 8.00 a. m . | .550 | 58.2 | 48.3 | ..... | ..... | 41 | 0.56 | W. | 2 | Cirro-stratus..... | N. W. | 1 | |
| | 8.30 a. m . | .549 | 63.1 | 51.2 | ..... | ..... | 43 | 0.50 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 9.00 a. m . | .548 | 66.1 | 52.6 | ..... | ..... | 45 | 0.50 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 10.00 a. m . | .553 | 70.6 | 54.7 | ..... | ..... | 47 | 0.45 | S. | 1 | Cirrus, cirro-stratus... | ..... | 1 | |
| | 11.00 a. m . | .533 | 74.7 | 57.1 | ..... | ..... | 48 | 0.41 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 12.00 m ... | .517 | 79.6 | 60.2 | ..... | ..... | 50 | 0.37 | N. W. | 2 | .....do ..... | ..... | 2 | |
| | 1.00 p. m . | .506 | 78.5 | 59.1 | ..... | ..... | 49 | 0.37 | S. W. | 3 | .....do ..... | ..... | 3 | |
| | 2.00 p. m . | .487 | 83.9 | 62.2 | ..... | ..... | 51 | 0.34 | W. | 3 | .....do ..... | ..... | 4 | |
| | 3.00 p. m . | .475 | 83.1 | 61.1 | ..... | ..... | 50 | 0.34 | W. | 3 | Cirrus, cumulo-stratus. | ..... | 6 | |
| | 4.00 p. m . | .462 | 78.6 | 57.8 | ..... | ..... | 48 | 0.35 | W. | 3 | .....do ..... | ..... | 7 | |
| | 5.00 p. m . | .456 | 77.9 | 58.6 | ..... | ..... | 50 | 0.39 | S. | 2 | .....do ..... | ..... | 7 | |
| | 5.30 p. m . | .542 | 76.2 | 59.2 | ..... | ..... | 51 | 0.43 | S. | 2 | .....do ..... | ..... | 6 | |
| | 6.00 p. m . | .457 | 71.6 | 56.9 | ..... | ..... | 50 | 0.47 | S. | 2 | .....do ..... | ..... | 5 | |
| | 6.30 p. m . | .455 | 64.8 | 53.3 | ..... | ..... | 46 | 0.52 | S. | 1 | .....do ..... | ..... | 4 | |
| | 7.00 p. m . | .462 | 61.8 | 50.3 | ..... | ..... | 42 | 0.50 | S. W. | 2 | .....do ..... | ..... | 3 | |
| | 8.00 p. m . | .469 | 57.8 | 48.2 | ..... | ..... | 41 | 0.56 | S. W. | 1 | Cirro-stratus..... | ..... | 1 | |
| | 9.00 p. m . | .468 | 57.7 | 47.2 | 84.3 | ..... | 39 | 0.53 | W. | 3 | .....do ..... | ..... | 1 | |
| Sept. 12 | 7.00 a. m . | .486 | 58.2 | 48.1 | ..... | ..... | 41 | 0.56 | E. | 3 | ..... | ..... | 0 | |
| | 7.30 a. m . | .487 | 62.0 | 48.9 | ..... | ..... | 40 | 0.47 | E. S. E. | 4 | ..... | ..... | 0 | |
| | 8.00 a. m . | .486 | 65.1 | 51.3 | ..... | ..... | 43 | 0.47 | S. E. | 3 | ..... | ..... | 0 | |
| | 8.30 a. m . | .494 | 67.8 | 52.1 | ..... | ..... | 42 | 0.40 | S. E. | 3 | ..... | ..... | 0 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9.00 a. m. | .494 | 70.3 | 53.6 | ..... | ..... | 46 | 0.45 | S. E. | 3 | Cirro-stratus..... | W. | 1 | | |
| | 10.00 a. m. | .485 | 76.6 | 57.6 | ..... | ..... | 49 | 0.39 | E. | 3 | .....do ..... | ..... | 1 | | |
| | 11.00 a. m. | .481 | 79.4 | 59.4 | ..... | ..... | 49 | 0.37 | S. | 4 | .....do ..... | ..... | 1 | | |
| | 12.00 m ... | .468 | 81.3 | 59.8 | ..... | ..... | 50 | 0.36 | S. | 3 | .....do ..... | ..... | 1 | | |
| | 1.00 p. m. | .448 | 83.4 | 63.1 | ..... | ..... | 53 | 0.38 | S. W. | 3 | Cumulus..... | ..... | 1 | | |
| | 2.00 p. m. | .423 | 88.3 | 64.7 | ..... | ..... | 54 | 0.33 | S. | 2 | .....do ..... | ..... | 1 | | |
| | 3.00 p. m. | .409 | 85.6 | 61.4 | ..... | ..... | 49 | 0.30 | S. W. | 3 | .....do ..... | ..... | 1 | | |
| | 4.00 p. m. | .393 | 84.2 | 61.1 | ..... | ..... | 50 | 0.32 | S. | 3 | .....do ..... | ..... | 1 | | |
| | 5.00 p. m. | .382 | 81.3 | 58.6 | ..... | ..... | 48 | 0.34 | S. W. | 3 | .....do ..... | ..... | 1 | | |
| | 5.30 p. m. | .373 | 79.7 | 58.3 | ..... | ..... | 47 | 0.34 | S. W. | 3 | .....do ..... | ..... | 1 | | |
| | 6.00 p. m. | .374 | 72.1 | 55.9 | ..... | ..... | 48 | 0.45 | S. | 3 | .....do ..... | ..... | 1 | | |
| | 7.00 p. m. | .377 | 67.0 | 50.9 | ..... | ..... | 41 | 0.40 | S. E. | 2 | Cirrus ..... | ..... | 1 | | |
| | 8.00 p. m. | .388 | 67.9 | 52.3 | ..... | ..... | 42 | 0.42 | S. E. | 2 | .....do ..... | ..... | 1 | | |
| | 9.00 p. m. | .386 | 70.0 | 54.4 | 90.0 | ..... | 46 | 0.45 | S. E. | 3 | .....do ..... | ..... | 1 | | |
| Sept. | 13 7.00 a. m. | .414 | 65.0 | 50.1 | ..... | 61.2 | 41 | 0.44 | S. E. | 3 | Cirrus, cirro-stratus... | W. | 1 | | |
| | 7.30 a. m. | .420 | 67.1 | 52.2 | ..... | ..... | 43 | 0.45 | S. E. | 3 | ..... | ..... | 1 | | |
| | 8.00 a. m. | .419 | 69.6 | 54.1 | ..... | ..... | 46 | 0.45 | S. E. | 3 | ..... | ..... | 1 | | |
| | 8.30 a. m. | .421 | 72.7 | 56.3 | ..... | ..... | 48 | 0.43 | S. E. | 4 | ..... | ..... | 1 | | |
| | 9.00 a. m. | .420 | 75.6 | 57.9 | ..... | ..... | 49 | 0.41 | S. E. | 4 | ..... | ..... | 1 | | |
| | 10.00 a. m. | .426 | 80.0 | 61.0 | ..... | ..... | 52 | 0.39 | S. E. | 3 | ..... | ..... | 2 | | |
| | 11.00 a. m. | .417 | 82.8 | 60.1 | ..... | ..... | 49 | 0.32 | S. E. | 3 | ..... | ..... | 2 | | |
| | 12.00 m ... | .407 | 84.3 | 60.9 | ..... | ..... | 50 | 0.32 | S. E. | 3 | ..... | ..... | 3 | | |
| | 1.00 p. m. | .392 | 86.1 | 64.1 | ..... | ..... | 53 | 0.34 | S. E. | 3 | Cirrus, cirro-cumulus.. | ..... | 7 | | |
| | 2.00 p. m. | .388 | 86.9 | 64.4 | ..... | ..... | 53 | 0.33 | W. | 4 | .....do ..... | W. | 8 | | |
| | 3.00 p. m. | .369 | 86.1 | 64.9 | ..... | ..... | 55 | 0.36 | S. W. | 4 | Cirrus, cumulo-stratus ..... | ..... | 8 | | |
| | 4.00 p. m. | .370 | 83.7 | 61.6 | ..... | ..... | 51 | 0.34 | S. W. | 3 | .....do ..... | ..... | 8 | | |
| | 5.00 p. m. | .369 | 78.7 | 57.8 | ..... | ..... | 48 | 0.35 | S. W. | 3 | .....do ..... | ..... | 7 | | |
| | 5.30 p. m. | .369 | 76.2 | 56.1 | ..... | ..... | 46 | 0.37 | S. W. | 3 | .....do ..... | ..... | 8 | | |
| | 6.00 p. m. | .376 | 72.9 | 55.1 | ..... | ..... | 46 | 0.41 | S. W. | 2 | .....do ..... | ..... | 8 | | |
| | 6.30 p. m. | .366 | 69.9 | 52.8 | ..... | ..... | 45 | 0.43 | S. W. | 2 | Cirrus, cirro-cumulus . | ..... | 7 | | |
| | 7.00 p. m. | .394 | 63.1 | 49.6 | ..... | ..... | 41 | 0.47 | S. W. | 3 | .....do ..... | ..... | 7 | | |
| | 8.00 p. m. | .409 | 62.8 | 48.6 | ..... | ..... | 39 | 0.45 | S. E. | 3 | .....do ..... | ..... | 7 | | |
| | 9.00 p. m. | .414 | 63.2 | 48.8 | 88.2 | ..... | 39 | 0.45 | S. W. | 2 | .....do ..... | ..... | 6 | Light haze in south. | |
| Sept. | 14 7.00 a. m. | .465 | 55.6 | 46.9 | ..... | 50.1 | 41 | 0.59 | S. | 3 | Cirrus, cirro-stratus... | S. W. | 6 | | |
| | 7.30 a. m. | .465 | 62.3 | 51.9 | ..... | ..... | 45 | 0.56 | S. E. | 4 | .....do ..... | ..... | 6 | | |
| | 8.00 a. m. | .469 | 69.0 | 53.1 | ..... | ..... | 43 | 0.42 | S. W. | 4 | .....do ..... | ..... | 6 | | |
| | 8.30 a. m. | .474 | 59.3 | 54.7 | ..... | ..... | 47 | 0.47 | S. W. | 4 | .....do ..... | ..... | 6 | | |
| | 9.00 a. m. | .471 | 71.4 | 56.7 | ..... | ..... | 49 | 0.47 | S. W. | 4 | .....do ..... | ..... | 7 | | |
| | 10.00 a. m. | .477 | 70.2 | 56.0 | ..... | ..... | 49 | 0.50 | S. W. | 4 | .....do ..... | ..... | 7 | | |
| | 11.00 a. m. | .482 | 73.6 | 56.8 | ..... | ..... | 49 | 9.43 | W. S. W. | 4 | .....do ..... | ..... | 4 | | |
| | 12.00 m ... | .468 | 75.7 | 56.6 | ..... | ..... | 48 | 0.39 | W. S. W. | 4 | .....do ..... | ..... | 3 | | |
| | 1.00 p. m. | .443 | 78.6 | 59.1 | ..... | ..... | 49 | 0.37 | S. W. | 4 | .....do ..... | ..... | 3 | Wind in heavy squalls. | |
| | 2.00 p. m. | .432 | 78.6 | 63.1 | ..... | ..... | 55 | 0.46 | W. S. W. | 5 | .....do ..... | ..... | 2 | | |
| | 3.00 p. m. | .416 | 77.9 | 60.7 | ..... | ..... | 53 | 0.43 | W. S. W. | 6 | .....do ..... | ..... | 2 | | |
| | 4.00 p. m. | .421 | 77.2 | 58.7 | ..... | ..... | 50 | 0.41 | W. S. W. | 5 | .....do ..... | ..... | 1 | | |
| | 5.00 p. m. | .422 | 74.4 | 56.6 | ..... | ..... | 47 | 0.41 | W. S. W. | 5 | .....do ..... | ..... | 1 | | |
| | 5.30 p. m. | .428 | 72.4 | 55.7 | ..... | ..... | 48 | 0.45 | W. S. W. | 4 | Cirro-stratus..... | ..... | 1 | | |
| | 6.00 p. m. | .433 | 68.1 | 53.9 | ..... | ..... | 46 | 0.47 | W. S. W. | 3 | .....do ..... | ..... | 1 | | |
| | 7.00 p. m. | .445 | 65.2 | 51.2 | ..... | ..... | 43 | 0.47 | S. W. | 3 | .....do ..... | ..... | 1 | | |
| | 8.00 p. m. | .467 | 64.2 | 49.6 | ..... | ..... | 40 | 0.45 | W. | 3 | .....do ..... | ..... | 1 | | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 14 | 9.00 p. m. | 25.467 | 58.1 | 44.0 | 79.8 | ..... | 34 | 0.44 | S. W. | 3 | Cirro-stratus..... | ..... | 1 | |
| Sept. 15 | 7.00 a. m. | .562 | 45.2 | 39.6 | ..... | 35.7 | 35 | 0.69 | S. | 2 | .....do ..... | N. W. | 1 | |
| | 7.30 a. m. | .560 | 51.9 | 43.8 | ..... | ..... | 36 | 0.58 | S. | 2 | .....do ..... | ..... | 1 | |
| | 8.00 a. m. | .558 | 57.2 | 47.5 | ..... | ..... | 40 | 0.56 | S. | 2 | .....do ..... | ..... | 1 | |
| | 8.30 a. m. | .563 | 61.2 | 49.3 | ..... | ..... | 41 | 0.50 | S. | 2 | .....do ..... | ..... | 1 | |
| | 9.00 a. m. | .569 | 63.2 | 50.6 | ..... | ..... | 41 | 0.47 | S. W. | 2 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .564 | 67.9 | 53.2 | ..... | ..... | 44 | 0.45 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 11.00 a. m. | .551 | 71.1 | 55.2 | ..... | ..... | 47 | 0.45 | S. W. | 2 | .....do ..... | ..... | 1 | |
| | 12.00 m ... | .535 | 76.2 | 58.2 | ..... | ..... | 49 | 0.41 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 1.00 p. m. | .512 | 77.6 | 59.3 | ..... | ..... | 50 | 0.39 | S. | 2 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .494 | 76.6 | 55.7 | ..... | ..... | 46 | 0.35 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 3.00 p. m. | .484 | 77.4 | 55.9 | ..... | ..... | 46 | 0.35 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 4.00 p. m. | .478 | 77.9 | 56.2 | ..... | ..... | 45 | 0.34 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 5.00 p. m. | .470 | 74.2 | 55.7 | ..... | ..... | 47 | 0.41 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 5.30 p. m. | .472 | 71.7 | 53.1 | ..... | ..... | 44 | 0.39 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 6.00 p. m. | .466 | 64.9 | 48.2 | ..... | ..... | 38 | 0.40 | S. | 3 | .....do ..... | ..... | 1 | |
| | 6.30 p. m. | .464 | 58.2 | 43.8 | ..... | ..... | 34 | 0.44 | S. | 3 | .....do ..... | ..... | 1 | |
| | 7.00 p. m. | .468 | 60.1 | 44.8 | ..... | ..... | 35 | 0.42 | W. | 3 | .....do ..... | ..... | 2 | |
| | 8.00 p. m. | .482 | 55.9 | 44.6 | ..... | ..... | 37 | 0.53 | S. E. | 2 | .....do ..... | ..... | 2 | |
| | 9.00 p. m. | .471 | 57.2 | 45.2 | 82.4 | ..... | 37 | 0.50 | S. E. | 3 | .....do ..... | ..... | 2 | |
| Sept. 16 | 7.00 a. m. | .528 | 45.5 | 39.7 | ..... | 40.2 | 33 | 0.64 | S. | 1 | .....do ..... | N. W. | 1 | |
| | 7.30 a. m. | .519 | 51.9 | 42.4 | ..... | ..... | 32 | 0.50 | S. | 3 | .....do ..... | ..... | 1 | |
| | 8.00 a. m. | .520 | 57.7 | 49.1 | ..... | ..... | 43 | 0.60 | S. | 2 | .....do ..... | ..... | 1 | |
| | 8.30 a. m. | .528 | 60.7 | 50.0 | ..... | ..... | 42 | 0.53 | N. | 2 | .....do ..... | ..... | 1 | |
| | 9.00 a. m. | .533 | 63.2 | 51.9 | ..... | ..... | 44 | 0.53 | W. | 3 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .522 | 67.1 | 52.3 | ..... | ..... | 43 | 0.45 | S. | 2 | .....do ..... | ..... | 1 | |
| | 11.00 a. m. | .518 | 74.6 | 57.8 | ..... | ..... | 50 | 0.43 | S. | 2 | .....do ..... | ..... | 2 | |
| | 12.00 m ... | .499 | 75.4 | 58.3 | ..... | ..... | 50 | 0.43 | W. S. W. | 3 | .....do ..... | ..... | 2 | |
| | 1.00 p. m. | .474 | 80.1 | 62.3 | ..... | ..... | 53 | 0.41 | N. W. | 3 | .....do ..... | ..... | 3 | |
| | 2.00 p. m. | .469 | 82.0 | 64.2 | ..... | ..... | 55 | 0.41 | N. W. | 3 | .....do ..... | ..... | 2 | |
| | 3.00 p. m. | .443 | 79.9 | 61.3 | ..... | ..... | 52 | 0.39 | W. | 3 | .....do ..... | ..... | 2 | |
| | 4.00 p. m | .423 | 80.8 | 60.0 | ..... | ..... | 50 | 0.36 | N. W. | 2 | Cirrus, cirro-stratus.. | ..... | 2 | |
| | 5.00 p. m. | .416 | 74.9 | 57.9 | ..... | ..... | 50 | 0.43 | S. W. | 3 | .....do ..... | ..... | 3 | |
| | 5.30 p. m. | .415 | 73.7 | 54.9 | ..... | ..... | 46 | 0.39 | S. W. | 3 | .....do ..... | ..... | 3 | |
| | 6.00 p. m. | .410 | 66.7 | 49.2 | ..... | ..... | 28 | 0.38 | S. | 1 | .....do ..... | ..... | 3 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7.00 p. m. | .417 | 61.9 | 48.2 | ..... | ..... | 38 | 0.44 | S. E. | 2 | .....do ..... | ..... | 2 | |
| | 8.00 p. m. | .422 | 61.2 | 48.2 | ..... | ..... | 39 | 0.47 | S. E. | 2 | .....do ..... | ..... | 2 | |
| | 9.00 p. m. | .423 | 60.1 | 45.8 | 84.4 | ..... | 36 | 0.44 | S. E. | 2 | .....do ..... | ..... | 2 | |
| Sept. 17 | 7.00 a. m. | .441 | 52.3 | 44.9 | ..... | 45.6 | 38 | 0.62 | S. | 2 | Cirrus ..... | S. W. | 1 | Light haze in south. |
| | 8.00 a. m. | .443 | 61.9 | 51.2 | ..... | ..... | 43 | 0.53 | S. | 1 | .....do ..... | ..... | 1 | |
| | 9.00 a. m. | .445 | 67.1 | 54.7 | ..... | ..... | 48 | 0.52 | W. | 2 | ..... | ..... | 0 | |
| | 10.00 a. m. | .443 | 72.2 | 56.3 | ..... | ..... | 48 | 0.45 | S. W. | 2 | ..... | ..... | 0 | |
| | 11.00 a. m. | .429 | 76.2 | 57.9 | ..... | ..... | 49 | 0.41 | W. | 3 | ..... | ..... | 0 | |
| | 12.00 m ... | .417 | 81.6 | 62.7 | ..... | ..... | 54 | 0.39 | W. | 3 | Cirro-stratus ..... | ..... | 1 | |
| | 1.00 p. m. | .401 | 85.1 | 70.7 | ..... | ..... | 64 | 0.51 | W. | 3 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .382 | 83.2 | 64.7 | ..... | ..... | 56 | 0.41 | W. | 1 | .....do ..... | ..... | 1 | |
| | 3.00 p. m. | .365 | 83.7 | 63.9 | ..... | ..... | 54 | 0.38 | W. S. W. | 3 | Cumulus, cirro-stratus ..... | ..... | 1 | |
| | 4.00 p. m. | .357 | 84.5 | 63.1 | ..... | ..... | 52 | 0.34 | S. | 1 | .....do ..... | ..... | 1 | |
| | 5.00 p. m. | .350 | 80.3 | 61.1 | ..... | ..... | 52 | 0.39 | W. | 3 | .....do ..... | ..... | 1 | |
| | 5.30 p. m. | .354 | 76.3 | 59.0 | ..... | ..... | 51 | 0.43 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 6.00 p. m. | .350 | 72.8 | 56.4 | ..... | ..... | 48 | 0.43 | S. | 3 | .....do ..... | ..... | 1 | |
| | 6.30 p. m. | .352 | 62.1 | 51.3 | ..... | ..... | 43 | 0.53 | S. | 2 | .....do ..... | ..... | 2 | |
| | 7.00 p. m. | .361 | 58.7 | 49.4 | ..... | ..... | 43 | 0.60 | S. E. | 2 | .....do ..... | ..... | 1 | |
| | 8.00 p. m. | .367 | 59.6 | 48.9 | ..... | ..... | 41 | 0.53 | S. E. | 2 | .....do ..... | ..... | 1 | |
| | 9.00 p. m. | .370 | 61.4 | 50.8 | 88.4 | ..... | 44 | 0.56 | S. E. | 3 | .....do ..... | ..... | 1 | |
| Sept. 18 | 7.00 a. m. | .399 | 52.1 | 45.3 | ..... | 47.2 | 38 | 0.62 | N. | 2 | Cirro-stratus ..... | N. W. | 1 | |
| | 8.00 a. m. | .397 | 60.3 | 49.8 | ..... | ..... | 43 | 0.56 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 9.00 a. m. | .395 | 67.7 | 53.8 | ..... | ..... | 46 | 0.47 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .388 | 74.9 | 56.8 | ..... | ..... | 48 | 0.41 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 11.00 a. m. | .375 | 77.3 | 57.7 | ..... | ..... | 49 | 0.39 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 12.00 m ... | .363 | 79.7 | 60.7 | ..... | ..... | 52 | 0.39 | W. S. W. | 3 | Cumulus, cirro-stratus ..... | ..... | 1 | |
| | 1.00 p. m. | .335 | 83.8 | 59.2 | ..... | ..... | 47 | 0.29 | S. W. | 4 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .307 | 82.1 | 57.2 | ..... | ..... | 45 | 0.29 | S. W. | 4 | .....do ..... | ..... | 1 | |
| | 3.00 p. m. | .286 | 82.0 | 63.1 | ..... | ..... | 54 | 0.39 | S. W. | 4 | .....do ..... | ..... | 1 | |
| | 4.00 p. m. | .266 | 81.1 | 62.7 | ..... | ..... | 54 | 0.41 | S. W. | 4 | .....do ..... | ..... | 1 | |
| | 5.00 p. m. | .248 | 78.8 | 59.7 | ..... | ..... | 51 | 0.39 | W. S. W. | 4 | .....do ..... | ..... | 1 | |
| | 6.00 p. m. | .238 | 73.8 | 53.2 | ..... | ..... | 43 | 0.35 | S. W. | 3 | .....do ..... | N. W. | 1 | |
| | 7.00 p. m. | .235 | 62.9 | 47.2 | ..... | ..... | 36 | 0.40 | S. E. | 3 | .....do ..... | ..... | 1 | |
| | 8.00 p. m. | .233 | 61.2 | 45.8 | ..... | ..... | 36 | 0.42 | S. E. | 3 | .....do ..... | ..... | 1 | |
| | 9.90 p. m. | .225 | 59.3 | 44.9 | 83.8 | ..... | 35 | 0.44 | S. E. | 3 | .....do ..... | ..... | 1 | |
| Sept. 19 | 7.00 a. m. | .141 | 55.3 | 45.1 | ..... | 45.8 | 38 | 0.56 | S. | 1 | Cirro-cumulus ..... | W. | 1 | |
| | 8.00 a. m. | .135 | 70.9 | 52.6 | ..... | ..... | 44 | 0.40 | S. S. W. | 3 | .....do ..... | ..... | 1 | Wind in heavy squalls. |
| | 9.00 a. m. | .138 | 73.7 | 53.6 | ..... | ..... | 44 | 0.37 | S. W. | 4 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .134 | 76.4 | 57.8 | ..... | ..... | 49 | 0.41 | S. S. E. | 4 | .....do ..... | ..... | 1 | |
| | 11.00 a. m. | .127 | 76.1 | 59.6 | ..... | ..... | 52 | 0.45 | W. S. W. | 4 | .....do ..... | ..... | 6 | |
| | 12.00 m ... | .107 | 76.1 | 58.4 | ..... | ..... | 50 | 0.36 | W. S. W. | 4 | .....do ..... | ..... | 7 | |
| | 1.00 p. m. | .076 | 80.9 | 59.8 | ..... | ..... | 50 | 0.36 | S. W. | 4 | .....do ..... | ..... | 7 | |
| | 2.00 p. m. | .067 | 77.8 | 57.9 | ..... | ..... | 48 | 0.35 | S. W. | 4 | Cirro-cumulus, cumulo-stratus. | ..... | 8 | Very dark cumulus clouds in south. |
| | 3.00 p. m. | .038 | 80.2 | 61.1 | ..... | ..... | 52 | 0.39 | S. W. | 4 | .....do ..... | ..... | 4 | |
| | 4.00 p. m. | .020 | 78.6 | 58.9 | ..... | ..... | 49 | 0.37 | S. W. | 4 | .....do ..... | ..... | 6 | |
| | 5.00 p. m. | 24.996 | 76.7 | 59.2 | ..... | ..... | 50 | 0.41 | S. E. | 3 | .....do ..... | ..... | 7 | Heavy nimbus clouds in S.E. |
| | 6.00 p. m. | .992 | 69.3 | 54.4 | ..... | ..... | 45 | 0.45 | S. E. | 3 | .....do ..... | ..... | 4 | |
| | 7.00 p. m. | .999 | 61.2 | 50.2 | ..... | ..... | 42 | 0.53 | S. E. | 3 | .....do ..... | ..... | 6 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 19 | 8.00 p. m. | 24.999 | 59.4 | 48.8 | ..... | ..... | 42 | 0.56 | S. E. | 2 | Cirro-cumulus, cumulo-stratus. | ..... | 4 | |
| | 9.00 p. m. | 25.002 | 59.0 | 48.7 | 81.7 | ..... | 42 | 0.56 | S. E. | 3 | .....do ..... | ..... | 7 | |
| Sept. 20 | 7.00 a. m. | .220 | 44.2 | 35.8 | ..... | 30.7 | 26 | 0.54 | S. | 3 | ..... | ..... | 0 | Very hazy in N. W. |
| | 8.00 a. m. | .220 | 48.6 | 38.8 | ..... | ..... | 28 | 0.48 | S. | 3 | ..... | ..... | 0 | |
| | 9.00 a. m. | .227 | 52.4 | 42.1 | ..... | ..... | 32 | 0.50 | S. W. | 4 | ..... | ..... | 0 | |
| | 10.00 a. m. | .211 | 55.9 | 44.8 | ..... | ..... | 37 | 0.53 | S. W. | 3 | Cirro-stratus..... | S. W. | 1 | |
| | 11.00 a. m. | .191 | 60.2 | 48.1 | ..... | ..... | 40 | 0.50 | W. | 4 | .....do ..... | ..... | 1 | |
| | 12.00 m ... | .178 | 61.6 | 48.3 | ..... | ..... | 38 | 0.44 | W. | 3 | .....do ..... | ..... | 2 | |
| | 1.00 p. m. | .139 | 63.1 | 49.2 | ..... | ..... | 39 | 0.45 | S. W. | 4 | Cirrus, cirro-stratus .. | ..... | 4 | |
| | 2.00 p. m. | .119 | 64.3 | 50.1 | ..... | ..... | 40 | 0.45 | S. W. | 4 | .....do ..... | ..... | 8 | |
| | 3.00 p. m. | .114 | 62.6 | 49.2 | ..... | ..... | 39 | 0.45 | W. S. W. | 4 | Cirro - cumulus, cirro-stratus. | ..... | 9 | |
| | 4.00 p. m. | .072 | 60.9 | 46.7 | ..... | ..... | 37 | 0.44 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 5.00 p. m. | .073 | 58.9 | 44.5 | ..... | ..... | 35 | 0.44 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 6.00 p. m. | .078 | 57.0 | 44.4 | ..... | ..... | 35 | 0.47 | W. S. W. | 4 | .....do ..... | ..... | 10 | |
| | 7.00 p. m. | .084 | 54.9 | 43.3 | ..... | ..... | 35 | 0.49 | W. S. W. | 3 | .....do ..... | ..... | 9 | |
| | 8.00 p. m. | .068 | 50.8 | 41.1 | ..... | ..... | 31 | 0.50 | S. E. | 3 | .....do ..... | ..... | 9 | |
| | 9.00 p. m. | .052 | 48.1 | 39.7 | 67.8 | ..... | 31 | 0.56 | S. E. | 2 | .....do ..... | ..... | 7 | |
| Sept. 21 | 7.00 a. m | .126 | 50.2 | 39.1 | ..... | 39.4 | 28 | 0.46 | S. W. | 3 | .....do ..... | ..... | 9 | Light nimbus clouds in N. E. and S. W. |
| | 8.00 a. m. | .127 | 50.1 | 40.7 | ..... | ..... | 32 | 0.53 | S. W. | 3 | .....do ..... | ..... | 10 | |
| | 9.00 a. m. | .143 | 50.9 | 41.8 | ..... | ..... | 33 | 0.53 | S. W. | 4 | .....do ..... | ..... | 10 | Dense haze in N. W. |
| | 10.00 a. m. | .147 | 51.8 | 42.9 | ..... | ..... | 34 | 0.54 | W. S. W. | 5 | .....do ..... | ..... | 10 | |
| | 11.00 a. m. | .168 | 55.2 | 45.7 | ..... | ..... | 40 | 0.59 | W. S. W. | 4 | .....do ..... | ..... | 10 | |
| | 12.00 m ... | .164 | 54.8 | 45.1 | ..... | ..... | 38 | 0.56 | W. S. W. | 4 | .....do ..... | ..... | 10 | |
| | 1.00 p. m. | .163 | 56.3 | 45.7 | ..... | ..... | 39 | 0.56 | W. S. W. | 3 | .....do ..... | ..... | 8 | |
| | 2.00 p. m. | .145 | 61.1 | 49.1 | ..... | ..... | 41 | 0.50 | W. S. W. | 3 | .....do ..... | ..... | 8 | |
| | 3.00 p. m. | .139 | 60.4 | 47.3 | ..... | ..... | 38 | 0.47 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 4.00 p. m. | .144 | 58.6 | 45.3 | ..... | ..... | 35 | 0.44 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 5.00 p. m. | .159 | 56.3 | 43.3 | ..... | ..... | 34 | 0.47 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 6.00 p. m. | .147 | 54.9 | 42.9 | ..... | ..... | 35 | 0.49 | W. S. W. | 4 | .....do ..... | ..... | 8 | |
| | 8.00 p. m. | .178 | 50.2 | 40.4 | ..... | ..... | 30 | 0.50 | W. S. W. | 4 | Cirrus, cirro-stratus... | S. W. | 4 | |
| | 9.00 p. m. | .179 | 49.2 | 39.9 | 62.2 | ..... | 30 | 0.52 | W. S. W. | 4 | .....do ..... | ..... | 4 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 22 | 7.00 a. m. | .021 | 46.3 | 39.4 | ..... | 41.6 | 31 | 0.60 | W. S. W. | 4 | Cirro-cumulus, cirro-stratus. | W. S. W. | 9 | Light haze in south. |
| | 8.00 a. m. | .043 | 46.1 | 39.4 | ..... | ..... | 31 | 0.60 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 9.00 a. m. | .047 | 48.6 | 41.5 | ..... | ..... | 34 | 0.60 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 10.00 a. m. | .055 | 50.1 | 43.1 | ..... | ..... | 36 | 0.61 | W. S. W. | 4 | .....do ..... | ..... | 9 | |
| | 11.00 a. m. | .053 | 51.5 | 44.6 | ..... | ..... | 38 | 0.62 | W. S. W. | 4 | .....do ..... | ..... | 10 | |
| | 12.00 m ... | .046 | 51.9 | 44.8 | ..... | ..... | 38 | 0.62 | W. S. W. | 4 | .....do ..... | ..... | 10 | |
| | 1.00 p. m. | .036 | 49.8 | 43.9 | ..... | ..... | 38 | 0.66 | W. S. W. | 4 | .....do ..... | ..... | 10 | |
| | 2.00 p. m. | .038 | 49.7 | 44.1 | ..... | ..... | 38 | 0.66 | W. S. W. | 4 | .....do ..... | ..... | 10 | |
| | 3.00 p. m. | .040 | 49.2 | 44.0 | ..... | ..... | 39 | 0.70 | W. | 4 | .....do ..... | ..... | 10 | |
| | 4.00 p. m. | .030 | 48.9 | 43.7 | ..... | ..... | 39 | 0.70 | W. | 3 | .....do ..... | ..... | 10 | |
| | 5.00 p. m. | .035 | 46.8 | 42.2 | ..... | ..... | 37 | 0.70 | W. | 4 | .....do ..... | ..... | 10 | Clouds very low in south. |
| | 6.00 p. m. | .036 | 45.8 | 41.4 | ..... | ..... | 36 | 0.70 | W. | 4 | .....do ..... | ..... | 10 | |
| | 7.00 p. m. | .021 | 44.2 | 40.7 | ..... | ..... | 37 | 0.80 | S. E. | 2 | .....do ..... | ..... | 10 | |
| | 8.00 p. m. | .012 | 38.6 | 36.4 | ..... | ..... | 32 | 0.77 | S. W. | 2 | .....do ..... | ..... | 10 | |
| | 9.00 p. m. | .008 | 36.1 | 34.6 | 53.4 | ..... | 34 | 0.91 | S. W. | 2 | .....do ..... | ..... | 7 | |
| Sept. 23 | 7.00 a. m. | .093 | 38.0 | 36.3 | ..... | 34.9 | 33 | 0.84 | S. W. | 4 | .....do ..... | ..... | 8 | Heavy rain during night. |
| | 8.00 a. m. | .097 | 38.3 | 36.7 | ..... | ..... | 35 | 0.90 | S. W. | 4 | .....do ..... | ..... | 9 | Light fall of snow on hills. |
| | 2.00 p. m. | .295 | 62.4 | 51.6 | ..... | ..... | 43 | 0.53 | S. W. | 2 | .....do ..... | ..... | 7 | |
| | 6.00 p. m. | .172 | 39.3 | 36.9 | ..... | ..... | 34 | 0.84 | W. | 4 | .....do ..... | ..... | 10 | Heavy rain in N.W. at 5 p. m. |
| | 7.00 p. m. | .200 | 35.6 | 35.1 | ..... | ..... | 33 | 0.90 | S. E. | 2 | .....do ..... | ..... | 10 | |
| | 8.00 p. m. | .199 | 35.3 | 34.8 | ..... | ..... | 34 | 0.97 | W. | 4 | .....do ..... | ..... | 10 | Heavy rain with snow at 6.23. |
| | 9.00 p. m. | .218 | 35.3 | 35.0 | 65.7 | ..... | 34 | 0.98 | W. | 4 | .....do ..... | ..... | 10 | Raining heavily. |
| Sept. 24 | 7.00 a. m. | .440 | 33.4 | 32.8 | ..... | 31.6 | 32 | 0.95 | S. | 1 | .....do ..... | S. W. | 8 | Light fall of snow on hills. |
| | 8.00 a. m. | .460 | 34.8 | 33.9 | ..... | ..... | 33 | 0.92 | S. W. | 3 | .....do ..... | ..... | 9 | |
| | 9.00 a. m. | .475 | 36.6 | 35.1 | ..... | ..... | 32 | 0.84 | S. | 3 | .....do ..... | ..... | 7 | |
| | 10.00 a. m. | .484 | 38.6 | 35.9 | ..... | ..... | 33 | 0.84 | S. W. | 3 | .....do ..... | ..... | 7 | |
| | 11.00 a. m. | .477 | 45.2 | 41.1 | ..... | ..... | 37 | 0.74 | W. S. W. | 4 | .....do ..... | ..... | 6 | |
| | 12.00 m ... | .469 | 47.4 | 42.4 | ..... | ..... | 37 | 0.70 | W. S. W. | 4 | .....do ..... | ..... | 6 | |
| | 1.00 p. m. | .450 | 50.8 | 44.0 | ..... | ..... | 37 | 0.62 | S. W. | 4 | .....do ..... | ..... | 4 | |
| | 2.00 p. m. | .431 | 50.1 | 43.2 | ..... | ..... | 36 | 0.61 | S. W. | 4 | .....do ..... | ..... | 4 | |
| | 3.00 p. m. | .417 | 52.7 | 44.6 | ..... | ..... | 37 | 0.58 | S. W. | 4 | .....do ..... | ..... | 3 | |
| | 4.00 p. m. | .411 | 53.4 | 44.4 | ..... | ..... | 35 | 0.54 | S. W. | 4 | .....do ..... | ..... | 1 | |
| | 5.00 p. m. | .398 | 51.6 | 42.7 | ..... | ..... | 34 | 0.54 | S. W. | 4 | .....do ..... | ..... | 1 | |
| | 6.00 p. m. | .385 | 50.3 | 41.9 | ..... | ..... | 34 | 0.57 | S. W. | 2 | Cirro-stratus..... | ..... | 1 | |
| | 7.00 p. m. | .388 | 37.8 | 34.3 | ..... | ..... | 28 | 0.70 | S. E. | 2 | .....do ..... | ..... | 1 | |
| | 8.00 p. m. | .373 | 35.6 | 33.4 | ..... | ..... | 31 | 0.84 | S. E. | 3 | .....do ..... | ..... | 1 | |
| | 9.00 p. m. | .387 | 35.4 | 32.3 | 55.4 | ..... | 28 | 0.76 | S. E. | 3 | .....do ..... | ..... | 1 | |
| Sept. 25 | 7.00 a. m. | .400 | 29.8 | 28.7 | ..... | 27.4 | 24.5 | 0.82 | S. | 2 | .....do ..... | W. | 1 | |
| | 8.00 a. m. | .399 | 38.1 | 33.8 | ..... | ..... | 28 | 0.70 | S. | 1 | .....do ..... | ..... | 1 | |
| | 9.00 a. m. | .401 | 48.1 | 41.7 | ..... | ..... | 35 | 0.65 | N. N. W. | 3 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .400 | 54.4 | 44.9 | ..... | ..... | 36 | 0.54 | N. W. | 3 | .....do ..... | ..... | 1 | |
| | 11.00 a. m. | .394 | 55.3 | 45.1 | ..... | ..... | 38 | 0.56 | S. W. | 3 | .....do ..... | ..... | 1 | |
| | 12.00 m ... | .391 | 59.6 | 48.0 | ..... | ..... | 40 | 0.50 | W. S. W. | 4 | .....do ..... | ..... | 2 | |
| | 1.00 p. m. | .380 | 58.3 | 47.1 | ..... | ..... | 39 | 0.53 | W. | 4 | .....do ..... | ..... | 7 | |
| | 2.00 p. m. | .365 | 59.6 | 48.2 | ..... | ..... | 40 | 0.50 | W. | 3 | .....do ..... | ..... | 8 | |
| | 3.00 p. m. | .365 | 60.7 | 47.9 | ..... | ..... | 39 | 0.47 | S. W. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 3 | |
| | 4.00 p. m. | .348 | 62.3 | 49.9 | ..... | ..... | 42 | 0.50 | W. | 4 | Cumulo-stratus ..... | ..... | 1 | |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 25 | 5.00 p. m. | 25.343 | 60.9 | 49.1 | ..... | ..... | 41 | 0.50 | W. | 3 | Cirro-stratus | ..... | 1 | |
| | 6.00 p. m. | .347 | 50.7 | 42.6 | ..... | ..... | 35 | 0.58 | S. W. | 3 | .....do | ..... | r | |
| | 7.00 p. m. | .351 | 45.1 | 38.9 | ..... | ..... | 32 | 0.64 | S. E. | 2 | ..... | ..... | 0 | |
| | 8.00 p. m. | .359 | 40.8 | 35.4 | ..... | ..... | 28 | 0.63 | S. E. | 3 | ..... | ..... | 0 | |
| | 9.00 p. m. | .366 | 41.5 | 36.2 | 66.1 | ..... | 29 | 0.63 | S. E. | 3 | ..... | ..... | 0 | |
| Sept. 26 | 7.00 a. m. | .351 | 39.7 | 35.7 | ..... | 30.2 | 31 | 0.73 | S. | 1 | Cirro-stratus | S. W. | 1 | |
| | 8.00 a. m. | .349 | 49.2 | 42.6 | ..... | ..... | 36 | 0.65 | S. E. | 3 | .....do | ..... | 1 | |
| | 9.00 a. m. | .346 | 53.8 | 46.7 | ..... | ..... | 40 | 0.62 | N. N. W. | 3 | .....do | ..... | 1 | |
| | 10.00 a. m. | .339 | 61.4 | 51.7 | ..... | ..... | 46 | 0.60 | N. W. | 3 | .....do | ..... | 1 | |
| | 11.00 a. m. | .324 | 66.6 | 54.8 | ..... | ..... | 48 | 0.52 | N. W. | 3 | Cumulo-stratus | ..... | 2 | |
| | 12.00 m... | .308 | 68.2 | 55.4 | ..... | ..... | 47 | 0.50 | S. W. | 3 | .....do | ..... | 2 | |
| | 1.00 p. m. | .275 | 72.2 | 58.4 | ..... | ..... | 51 | 0.50 | S. W. | 2 | .....do | ..... | 2 | |
| | 2.00 p. m. | .247 | 71.8 | 51.7 | ..... | ..... | 42 | 0.37 | W. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 3 | |
| | 3.00 p. m. | .225 | 69.9 | 56.1 | ..... | ..... | 49 | 0.50 | S. W. | 3 | Cirrus, cirro-cumulus | ..... | 3 | |
| | 4.00 p. m. | .209 | 70.3 | 56.3 | ..... | ..... | 49 | 0.50 | W. S. W. | 4 | .....do | ..... | 3 | |
| | 5.00 p. m. | .208 | 66.9 | 54.2 | ..... | ..... | 46 | 0.50 | W. S. W. | 3 | .....do | ..... | 2 | |
| | 6.00 p. m. | .204 | 57.1 | 45.4 | ..... | ..... | 37 | 0.50 | W. S. W. | 3 | .....do | ..... | 3 | |
| | 7.00 p. m. | .206 | 50.7 | 42.9 | ..... | ..... | 36 | 0.61 | S. E. | 3 | .....do | ..... | 2 | |
| | 8.00 p. m. | .215 | 47.3 | 40.6 | ..... | ..... | 34 | 0.65 | S. E. | 2 | Cirro-stratus | ..... | 1 | |
| | 9.00 p. m. | .225 | 46.8 | 39.8 | 75.6 | ..... | 32 | 0.60 | S. E. | 3 | .....do | ..... | 1 | |
| Sept. 27 | 7.00 a. m. | .220 | 47.9 | 40.1 | ..... | 44.1 | 31 | 0.56 | W. S. W. | 4 | Cirro-cumulus, cumulo-stratus. | N. W. | 8 | |
| | 8.00 a. m. | .233 | 49.9 | 43.4 | ..... | ..... | 36 | 0.61 | W. S. W. | 4 | .....do | ..... | 7 | |
| | 9.00 a. m. | .236 | 51.2 | 44.9 | ..... | ..... | 39 | 0.66 | W. S. W. | 4 | .....do | ..... | 8 | |
| | 10.00 a. m. | .211 | 53.9 | 47.0 | ..... | ..... | 40 | 0.62 | W. S. W. | 4 | .....do | ..... | 8 | |
| | 11.00 a. m. | .224 | 61.2 | 52.6 | ..... | ..... | 47 | 0.63 | W. S. W. | 4 | .....do | ..... | 8 | |
| | 12.00 m... | .210 | 63.9 | 55.2 | ..... | ..... | 49 | 0.60 | W. S. W. | 4 | .....do | ..... | 8 | |
| | 1.00 p. m. | .200 | 65.1 | 55.7 | ..... | ..... | 51 | 0.62 | W. S. W. | 4 | Cumulus, cumulo-stratus. | ..... | 6 | |
| | 2.00 p. m. | .194 | 64.7 | 55.4 | ..... | ..... | 49 | 0.58 | W. S. W. | 4 | .....do | ..... | 7 | |
| | 3.00 p. m. | .210 | 63.9 | 54.2 | ..... | ..... | 47 | 0.56 | W. S. W. | 5 | .....do | ..... | 6 | |
| | 4.00 p. m. | .212 | 62.9 | 53.9 | ..... | ..... | 48 | 0.60 | W. S. W. | 4 | Cirro-stratus, cumulo-stratus. | ..... | 3 | |
| | 5.00 p. m. | .221 | 59.8 | 51.9 | ..... | ..... | 46 | 0.63 | W. S. W. | 4 | .....do | ..... | 3 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6.00 p. m. | .236 | 55.7 | 48.8 | ..... | ..... | 44 | 0.67 | W. S. W. | 4 | .....do ..... | ..... | 1 |
| | 7.00 p. m. | .265 | 53.7 | 47.4 | ..... | ..... | 40 | 0.62 | W. S. W. | 4 | .....do ..... | ..... | 1 |
| | 8.00 p. m. | .301 | 50.9 | 45.7 | ..... | ..... | 41 | 0.71 | W. S. W. | 4 | ..... | ..... | 0 |
| | 9.00 p. m. | .324 | 49.7 | 44.6 | 66.3 | ..... | 40 | 0.71 | W. S. W. | 4 | ..... | ..... | 0 |
| Sept. 28 | 7 00 a. m. | .477 | 35.1 | 34.3 | ..... | 31.2 | 33 | 0.92 | S. S. E. | 1 | Cirrus ..... | N. W. | 1 |
| | 8.00 a. m. | .478 | 46.0 | 42.6 | ..... | ..... | 40 | 0.80 | S. W. | 3 | .....do ..... | ..... | 1 |
| | 9.00 a. m. | .497 | 51.6 | 47.0 | ..... | ..... | 42 | 0.71 | S. | 3 | .....do ..... | ..... | 1 |
| | 10.00 a. m. | .493 | 54.1 | 48.7 | ..... | ..... | 44 | 0.71 | W. S. W. | 4 | .....do ..... | ..... | 1 |
| | 11.00 a. m. | .488 | 57.2 | 50.7 | ..... | ..... | 47 | 0.71 | S. W. | 4 | .....do ..... | ..... | 1 |
| | 12.00 m ... | .488 | 60.8 | 53.1 | ..... | ..... | 47 | 0.63 | S. W. | 4 | .....do ..... | ..... | 1 |
| | 1.00 p. m. | .480 | 64.1 | 54.9 | ..... | ..... | 49 | 0.60 | S. W. | 4 | .....do ..... | ..... | 1 |
| | 2.00 p. m. | .475 | 65.6 | 55.4 | ..... | ..... | 49 | 0.58 | S. W. | 3 | ..... | ..... | 1 |
| | 3.00 p. m. | .476 | 66.8 | 55.9 | ..... | ..... | 49 | 0.56 | S. W. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 1 |
| | 4.00 p. m. | .473 | 66.3 | 55.4 | ..... | ..... | 48 | 0.55 | S. W. | 3 | .....do ..... | ..... | 1 |
| | 5.00 p. m. | .480 | 63.6 | 53.6 | ..... | ..... | 47 | 0.56 | S. W. | 3 | .....do ..... | ..... | 1 |
| | 6.00 p. m. | .476 | 57.1 | 48.2 | ..... | ..... | 42 | 0.59 | S. W. | 3 | .....do ..... | ..... | 2 |
| | 7.00 p. m. | .494 | 52.7 | 45.8 | ..... | ..... | 39 | 0.62 | S. W. | 3 | .....do ..... | ..... | 1 |
| | 8.00 p. m. | .513 | 48.7 | 43.2 | ..... | ..... | 36 | 0.65 | S. E. | 3 | .....do ..... | ..... | 1 |
| | 9.00 p. m. | .519 | 51.3 | 44.3 | 68.8 | ..... | 37 | 0.62 | S. E. | 3 | .....do ..... | ..... | 1 |
| Sept. 29 | 7.00 a. m. | .590 | 41.1 | 38.6 | ..... | 33.1 | 37 | 0.86 | S. E. | 2 | Cirro-stratus ..... | S. W. | 1 |
| | 8.00 a. m. | .580 | 53.7 | 47.7 | ..... | ..... | 42 | 0.67 | S. E. | 3 | .....do ..... | ..... | 1 |
| | 9.00 a. m. | .590 | 59.3 | 51.7 | ..... | ..... | 47 | 0.67 | S. W. | 3 | Cirrus, cirro-cumulus. | ..... | 1 |
| | 10.00 a. m. | .610 | 61.1 | 53.3 | ..... | ..... | 47 | 0.63 | S. W. | 3 | .....do ..... | ..... | 1 |
| | 11.00 a. m. | .601 | 65.7 | 56.2 | ..... | ..... | 50 | 0.59 | S. W. | 3 | .....do ..... | ..... | 1 |
| | 12.00 m ... | .571 | 67.9 | 57.7 | ..... | ..... | 52 | 0.59 | W. | 2 | .....do ..... | ..... | 1 |
| | 1.00 p. m. | .557 | 73.2 | 61.2 | ..... | ..... | 55 | 0.55 | S. W. | 2 | .....do ..... | ..... | 1 |
| | 2.00 p. m. | .536 | 72.6 | 60.7 | ..... | ..... | 55 | 0.55 | S. W. | 2 | .....do ..... | ..... | 1 |
| | 3.00 p. m. | .523 | 74.1 | 62.3 | ..... | ..... | 56 | 0.55 | S. W. | 2 | .....do ..... | ..... | 1 |
| | 4.00 p. m. | .510 | 74.1 | 63.9 | ..... | ..... | 59 | 0.61 | W. | 3 | .....do ..... | ..... | 1 |
| | 5.00 p. m. | .513 | 73.1 | 58.4 | ..... | ..... | 51 | 0.48 | S. W. | 2 | .....do ..... | ..... | 1 |
| | 6.00 p. m. | .501 | 56.2 | 48.8 | ..... | ..... | 44 | 0.67 | S. | 2 | .....do ..... | ..... | 1 |
| | 7.00 p. m. | .507 | 48.6 | 43.4 | ..... | ..... | 38 | 0.70 | S. | 2 | .....do ..... | ..... | 1 |
| | 8.00 p. m. | .507 | 46.6 | 41.9 | ..... | ..... | 37 | 0.70 | S. E. | 3 | Cirro-stratus ..... | ..... | 1 |
| | 9.00 p. m. | .503 | 49.2 | 43.3 | 79.2 | ..... | 36 | 0.65 | W. | 2 | .....do ..... | ..... | 1 |
| Sept. 30 | 7.00 a. m. | .469 | 51.4 | 46.4 | ..... | 36.2 | 41 | 0.71 | E. | 3 | .....do ..... | N. W. | 1 |
| | 8.00 a. m. | .474 | 57.0 | 50.6 | ..... | ..... | 47 | 0.71 | E. | 3 | .....do ..... | ..... | 1 |
| | 9.00 a. m. | .471 | 63.4 | 55.3 | ..... | ..... | 46 | 0.56 | E. | 3 | Cirrus, cirro-stratus... | ..... | 1 |
| | 10.00 a. m. | .460 | 69.4 | 59.8 | ..... | ..... | 55 | 0.62 | E. | 3 | .....do ..... | ..... | 1 |
| | 11.00 a. m. | .444 | 76.7 | 64.2 | ..... | ..... | 58 | 0.53 | E. | 1 | .....do ..... | ..... | 1 |
| | 12.00 m ... | .434 | 74.8 | 62.1 | ..... | ..... | 56 | 0.53 | W. | 3 | .....do ..... | ..... | 1 |
| | 1.00 p. m. | .388 | 79.1 | 65.1 | ..... | ..... | 58 | 0.50 | W. | 3 | .....do ..... | ..... | 2 |
| | 2.00 p. m. | .377 | 78.1 | 64.3 | ..... | ..... | 57 | 0.50 | W. | 3 | .....do ..... | ..... | 2 |
| | 3.00 p. m. | .355 | 79.9 | 66.6 | ..... | ..... | 61 | 0.53 | E. | 2 | .....do ..... | ..... | 2 |
| | 4.00 p. m. | .353 | 78.1 | 62.7 | ..... | ..... | 56 | 0.48 | E. | 2 | .....do ..... | ..... | 2 |
| | 5.00 p. m. | .331 | 75.8 | 61.9 | ..... | ..... | 55 | 0.50 | S. W. | 2 | .....do ..... | ..... | 2 |
| | 6.00 p. m. | .345 | 64.8 | 55.7 | ..... | ..... | 51 | 0.62 | E. | 3 | .....do ..... | ..... | 2 |
| | 7.00 p. m. | .342 | 57.1 | 50.1 | ..... | ..... | 45 | 0.67 | E. | 3 | .....do ..... | ..... | 2 |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 30 | 8.00 p. m. | 25.340 | 63.2 | 54.3 | ..... | ..... | 48 | 0.60 | E. | 4 | Cirrus, cirro-stratus .. | ..... | 1 | |
| | 9.00 p. m. | .347 | 61.2 | 53.3 | 82.7 | ..... | 47 | 0,63 | E. | 4 | .....do ..... | ..... | 1 | |
| Oct. 1 | 7.00 a. m. | .359 | 56.7 | 48.2 | ..... | 47.9 | 42 | 0.59 | S. E. | 3 | .....do ..... | N. W. | 8 | |
| | 8.00 a. m. | .359 | 59.8 | 51.9 | ..... | ..... | 46 | 0.63 | S. E. | 3 | .....do ..... | ..... | 8 | |
| | 9.00 a. m. | .366 | 64.2 | 55.2 | ..... | ..... | 49 | 0.60 | S. E. | 3 | Cirrus, cirro-cumulus . | ..... | 8 | |
| | 10.00 a. m. | .363 | 71.6 | 62.3 | ..... | ..... | 57 | 0.61 | S. | 3 | .....do ..... | ..... | 8 | |
| | 11.00 a. m. | .353 | 73.6 | 63.6 | ..... | ..... | 59 | 0.61 | N. W. | 3 | .....do ..... | ..... | 7 | |
| | 12.00 m.... | .334 | 83.1 | 70.0 | ..... | ..... | 64 | 0.53 | N. W. | 3 | .....do ..... | ..... | 7 | |
| | 1.00 p. m. | .323 | 80.3 | 66.3 | ..... | ..... | 59 | 0.50 | S. E. | 3 | .....do ..... | ..... | 8 | |
| | 2.00 p. m | .315 | 81.2 | 67.7 | ..... | ..... | 62 | 0.53 | S. S. W. | 4 | .....do ..... | ..... | 8 | |
| | 3.00 p. m. | .316 | 78.0 | 63.9 | ..... | ..... | 57 | 0.50 | S. S. W. | 4 | .....do ..... | ..... | 8 | |
| | 4.00 p. m. | .302 | 77.6 | 64.5 | ..... | ..... | 59 | 0.53 | S. S. W. | 4 | .....do ..... | ..... | 8 | |
| | 5.00 p. m. | .294 | 74.1 | 61.9 | ..... | ..... | 56 | 0.55 | S. E. | 3 | .....do ..... | ..... | 8 | |
| | 6.00 p. m. | .280 | 69.9 | 59.6 | ..... | ..... | 55 | 0.61 | S. E. | 3 | .....do ..... | ..... | 7 | |
| | 7.00 p. m. | .305 | 65.2 | 56.4 | ..... | ..... | 51 | 0.62 | S. E. | 3 | .....do ..... | ..... | 5 | |
| | 8.00 p. m. | .313 | 59.4 | 52.0 | ..... | ..... | 47 | 0.67 | E. | 1 | .....do ..... | ..... | 2 | |
| | 9.00 p. m. | .320 | 59.5 | 52.1 | 35.9 | ..... | 46 | 0.63 | E. | 3 | .....do ..... | ..... | 2 | |
| Oct. 2 | 7.00 a. m. | .375 | 59.2 | 48.7 | ..... | 53.3 | 42 | 0.56 | E. | 3 | Cirro-cumulus ..... | ..... | 7 | |
| | 8.00 a. m. | .381 | 60.2 | 53.6 | ..... | ..... | 50 | 0.71 | E. | 2 | .....do ..... | ..... | 6 | |
| | 2.00 p. m. | .279 | 77.1 | 63.6 | ..... | ..... | 58 | 0.53 | S.W. | 3 | Cirrus, cumulo-stratus. | ..... | 5 | Heavy shower at 2.48, lasting 6 minutes. |
| | 6.00 p. m. | .276 | 64.8 | 56.9 | ..... | ..... | 52 | 0.65 | S.W. | 2 | Cirro-cumulus, cirro-stratus. | ..... | 3 | |
| | 7.00 p. m. | .266 | 62.1 | 55.7 | ..... | ..... | 52 | 0.71 | E. | 4 | .....do ..... | ..... | 2 | Raining heavily in W. at 3.15. |
| | 8.00 p. m. | .268 | 60.2 | 53.9 | ..... | ..... | 50 | 0.71 | E. | 3 | .....do ..... | ..... | 1 | Raining heavily in N. and N. W. at 3.55. |
| | 9.00 p. m. | .265 | 61.3 | 55.1 | 85.6 | ..... | 51 | 0.71 | E. | 4 | .....do ..... | ..... | 1 | Raining heavily in N. E. at 5.30. |
| Oct. 3 | 7.00 a. m. | .316 | 53.8 | 48.1 | ..... | 52.1 | 42 | 0.67 | S. S. W. | 5 | Cirro-cumulus ..... | S. W. | 7 | |
| | 8.00 a. m. | .326 | 52.6 | 48.9 | ..... | ..... | 45 | 0.76 | W. S. W. | 4 | .....do ..... | ..... | 7 | |
| | 9.00 a. m. | .326 | 55.2 | 51.6 | ..... | ..... | 50 | 0.84 | W. S. W. | 4 | .....do ..... | ..... | 7 | |
| | 10.00 a. m. | .335 | 58.8 | 54.9 | ..... | ..... | 52 | 0.80 | W. S. W. | 4 | .....do ..... | ..... | 7 | |
| | 11.00 a. m. | .334 | 63.6 | 57.3 | ..... | ..... | 52 | 0.67 | W. S. W. | 5 | .....do ..... | ..... | 4 | |
| | 12.00 m.... | .325 | 65.2 | 58.3 | ..... | ..... | 54 | 0.69 | W. S. W. | 4 | .....do ..... | ..... | 3 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.00 p. m. | .307 | 62.6 | 56.1 | ..... | ..... | 51 | 0.67 | W. S. W. | 4 | .....do..... | ..... | 3 |
| | | 2.00 p. m. | .285 | 62.3 | 55.8 | ..... | ..... | 52 | 0.71 | S. W. | 6 | .....do..... | ..... | 3 |
| | | 3.00 p. m. | .301 | 60.2 | 54.1 | ..... | ..... | 50 | 0.71 | S. W. | 4 | Cirrus, cirro-cumulus | ..... | 8 |
| | | 4.00 p. m. | .300 | 57.1 | 51.1 | ..... | ..... | 47 | 0.71 | S. W. | 5 | .....do..... | ..... | 9 |
| | | 5.00 p. m. | .307 | 55.6 | 50.1 | ..... | ..... | 46 | 0.71 | S. W. | 4 | .....do..... | ..... | 7 |
| | | 6.00 p. m. | .307 | 50.1 | 45.2 | ..... | ..... | 40 | 0.71 | S. W. | 3 | Cirro-cumulo, cumulo-stratus. | ..... | 2 |
| | | 7.00 p. m. | .311 | 46.6 | 42.4 | ..... | ..... | 38 | 0.74 | S. W. | 3 | .....do..... | ..... | 2 |
| | | 8.00 p. m. | .312 | 45.9 | 41.7 | ..... | ..... | 38 | 0.74 | S. W. | 3 | .....do..... | ..... | 2 |
| | | 9.00 p. m. | .309 | 46.6 | 42.8 | 65.8 | ..... | 39 | 0.75 | S. W. | 4 | .....do..... | ..... | 2 |
| Oct. | 4 | 7.00 a. m. | .383 | 39.0 | 36.2 | ..... | 35.9 | 32 | 0.77 | N. E. | 3 | Cirrus, cirro-cumulus. | S. W. | 2 |
| | | 8.00 a. m. | .404 | 45.4 | 42.4 | ..... | ..... | 39 | 0.80 | S. E. | 3 | .....do..... | ..... | 2 |
| | | 9.00 a. m. | .409 | 51.7 | 48.0 | ..... | ..... | 44 | 0.76 | S. E. | 2 | .....do..... | ..... | 1 |
| | | 10.00 a. m. | .409 | 57.1 | 52.6 | ..... | ..... | 50 | 0.80 | N. E. | 2 | .....do..... | ..... | 1 |
| | | 11.00 a. m. | .410 | 60.8 | 55.2 | ..... | ..... | 51 | 0.71 | W. | 3 | .....do..... | ..... | 1 |
| | | 12.00 m.... | .400 | 64.5 | 58.6 | ..... | ..... | 55 | 0.73 | W. | 2 | Cirro-cumulus, cumulo-stratus. | ..... | 2 |
| | | 1.00 p. m. | .387 | 64.9 | 58.1 | ..... | ..... | 54 | 0.69 | S. | 2 | .....do..... | ..... | 2 |
| | | 2.00 p. m. | .373 | 64.2 | 57.1 | ..... | ..... | 52 | 0.67 | S. W. | 3 | .....do..... | ..... | 3 |
| | | 3.00 p. m. | .378 | 61.7 | 55.3 | ..... | ..... | 50 | 0.67 | W. | 3 | .....do..... | ..... | 2 |
| | | 4.00 p. m. | .377 | 61.1 | 54.9 | ..... | ..... | 51 | 0.71 | W. | 3 | .....do..... | ..... | 2 |
| | | 5.00 p. m. | .378 | 55.8 | 50.7 | ..... | ..... | 48 | 0.75 | W. | 3 | Cirrus, cirro-stratus | ..... | 2 |
| | | 6.00 p. m. | .393 | 50.4 | 46.1 | ..... | ..... | 42 | 0.76 | S. W. | 3 | .....do..... | ..... | 2 |
| | | 7.00 p. m. | .403 | 45.8 | 42.3 | ..... | ..... | 38 | 0.75 | S. | 3 | .....do..... | ..... | 1 |
| | | 8.00 p. m. | .418 | 46.1 | 42.3 | ..... | ..... | 38 | 0.75 | S. E. | 3 | .....do..... | ..... | 1 |
| | | 9.00 p. m. | .436 | 45.6 | 41.8 | 68.9 | ..... | 38 | 0.75 | S. W. | 3 | .....do..... | ..... | 1 |
| Oct. | 5 | 7.00 a. m. | .493 | 46.0 | 41.7 | ..... | 39.8 | 38 | 0.75 | S. E. | 3 | Cirro-stratus | ..... | 2 |
| | | 7.00 p. m. | .504 | 48.6 | 45.6 | ..... | ..... | 43 | 0.81 | S. W. | 3 | .....do..... | ..... | 2 |
| | | 8.00 p. m. | .514 | 51.9 | 48.1 | ..... | ..... | 44 | 0.76 | S. W. | 3 | .....do..... | ..... | 2 |
| | | 9.00 p. m. | .483 | 55.4 | 48.6 | 73.1 | ..... | 43 | 0.67 | S. E. | 3 | Cirrus, cirro-stratus | ..... | 7 |
| Oct. | 6 | 7.00 a. m. | .517 | 42.7 | 40.6 | ..... | 37.3 | 39 | 0.86 | ..... | 0 | Cumulus | ..... | 7 |
| | | 2.00 p. m. | .480 | 72.8 | 57.2 | ..... | ..... | 49 | 0.45 | S. W. | 1 | Cirro-cumulus | ..... | 1 |
| | | 9.00 p. m. | .456 | 52.1 | 42.7 | 75.2 | ..... | 34 | 0.54 | ..... | 0 | ..... | ..... | 0 |
| Oct. | 7 | 7.00 a. m. | .453 | 49.2 | 42.4 | ..... | 38.0 | 34 | 0.60 | N. N. E. | 1 | Cirrus | ..... | 1 |
| | | 2.00 p. m. | .335 | 80.2 | 58.1 | ..... | ..... | 47 | 0.34 | N. N. E. | 1 | Cirro-cumulus | ..... | 1 |
| | | 9.00 p. m. | .281 | 64.6 | 48.5 | 80.8 | ..... | 39 | 0.42 | S. W. | 1 | ..... | ..... | 0 |
| Oct. | 8 | 7.00 a. m. | .284 | 51.2 | 42.5 | ..... | 40.5 | 35 | 0.58 | ..... | 0 | ..... | ..... | 0 |
| | | 2.00 p. m. | .239 | 74.5 | 51.8 | ..... | ..... | 41 | 0.32 | S. W. | 3 | ..... | ..... | 0 |
| | | 9.00 p. m. | .260 | 53.2 | 40.2 | 76.4 | ..... | 27 | 0.39 | S. W. | 1 | Stratus | ..... | 1 |
| Oct. | 9 | 7.00 a. m. | .373 | 39.2 | 34.6 | ..... | 33.8 | 29 | 0.70 | ..... | 0 | ..... | ..... | 0 |
| | | 2.00 p. m. | .361 | 78.8 | 54.8 | ..... | ..... | 43 | 0.30 | ..... | 0 | ..... | ..... | 0 |
| | | 9.00 p. m. | .332 | 44.0 | 35.2 | 81.2 | ..... | 24 | 0.50 | S. | 1 | ..... | ..... | 0 |
| Oct. | 10 | 7.00 a. m. | .506 | 27.9 | 26.0 | ..... | 27.6 | 16 | 0.65 | ..... | 0 | Cirro-stratus | ..... | 1 |
| | | 2.00 p. m. | .460 | 80.1 | 55.7 | ..... | ..... | 44 | 0.30 | N. | 1 | Cirrus | ..... | 1 |
| | | 9.00 p. m. | .468 | 49.9 | 38.7 | 83.7 | ..... | 28 | 0.46 | ..... | 0 | ..... | ..... | 0 |

*Fort Hall, Idaho*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Oct. 11 | 7.00 a. m. | 25.528 | 37.5 | 33.1 | ..... | 36.4 | 27 | 0.70 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .492 | 80.2 | 55.1 | ..... | ..... | 43 | 0.29 | N. | 1 | Cirro-cumulus ..... | N. W. | 1 | |
| | 9.00 p. m. | .497 | 49.2 | 36.7 | 82.2 | ..... | 24 | 0.40 | S. | 1 | ..... | ..... | 0 | |
| Oct. 12 | 7.00 a. m. | .536 | 34.6 | 29.8 | ..... | 29.5 | 23 | 0.64 | ..... | 0 | Cirro-cumulus ..... | ..... | 4 | |
| | 2.00 p. m. | .480 | 79.0 | 54.3 | ..... | ..... | 42 | 0.29 | ..... | 0 | ..... | ..... | 0 | |
| | 9.00 p. m. | .451 | 49.2 | 37.4 | 82.7 | ..... | 22 | 0.38 | ..... | 0 | ..... | ..... | 0 | |
| Oct. 13 | 7.00 a. m. | .517 | 34.5 | 30.5 | ..... | 33.9 | 25 | 0.70 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .463 | 83.6 | 61.5 | ..... | ..... | 51 | 0.34 | N. E. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .454 | 49.1 | 38.3 | 84.8 | ..... | 26 | 0.44 | ..... | 0 | ..... | ..... | 0 | |
| Oct. 14 | 7.00 a. m. | .439 | 35.6 | 30.1 | ..... | 32.0 | 21 | 0.58 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .370 | 74.7 | 49.8 | ..... | ..... | 38 | 0.28 | S. W. | 2 | ..... | ..... | 0 | |
| | 9.00 p. m. | .341 | 51.6 | 38.0 | 79.8 | ..... | ..... | ..... | ..... | 0 | ..... | ..... | 0 | |
| Oct. 15 | 7.00 a. m. | .364 | 42.6 | 35.6 | ..... | 34.1 | 28 | 0.58 | ..... | 0 | Cirro-stratus ..... | ..... | 1 | |
| | 2.00 p. m. | .309 | 78.0 | 53.4 | ..... | ..... | 41 | 0.29 | ..... | 0 | ..... | ..... | 0 | |
| | 9.00 p. m. | .321 | 56.5 | 42.5 | 80.0 | ..... | 32 | 0.44 | ..... | 0 | ..... | ..... | 6 | |
| Oct. 16 | 7.00 a. m. | .405 | 41.7 | 33.8 | ..... | 35.2 | 24 | 0.54 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .399 | 73.3 | 56.5 | ..... | ..... | 48 | 0.43 | ..... | 0 | Cirrus ..... | ..... | 1 | |
| | 9.00 p. m. | .458 | 47.8 | 39.8 | 81.5 | ..... | 31 | 0.56 | ..... | 0 | Cirro-cumulus ..... | ..... | 3 | |
| Oct. 17 | 7.00 a. m. | .536 | 45.8 | 38.5 | ..... | 41.6 | 31 | 0.60 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .517 | 74.7 | 55.4 | ..... | ..... | 45 | 0.37 | S. W. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .524 | 52.5 | 39.4 | 80.6 | ..... | 26 | 0.40 | S. | 1 | ..... | ..... | 0 | |
| Oct. 18 | 7.00 a. m. | .554 | 40.6 | 37.3 | ..... | 40.5 | 32 | 0.74 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .461 | 77.0 | 57.5 | ..... | ..... | 49 | 0.39 | S. W. | 1 | ..... | ..... | 0 | |
| | 9.00 p. m. | .416 | 60.8 | 45.3 | 82.4 | ..... | 34 | 0.39 | S. W. | 3 | ..... | ..... | 0 | |

*Bozeman, Montana.*

| Date. | Hour. | Dry bulb. | Wet bulb. | Amount of clouds. | Character of clouds. | Direction from— | Direction of wind. | Velocity of wind. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | |
| Nov. 1 | 7.00 a. m. | 35.4 | 32.0 | 5 | Cirro-cumulus, cumulus | W. | W. | 1 | ..... | 34.0 | Elevation, 4,900 feet. |
| | 2.00 p. m. | 40.8 | 35.1 | 8 | Nimbus, cumulus | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 36.0 | 29.0 | 0 | ..... | ..... | S. E. | 1 | 42.2 | ..... | |
| Nov. 2 | 7.00 a. m. | 26.0 | 24.2 | 9 | Cirrus, cumulus | N. W. | S. E. | 1 | ..... | 20.2 | |
| | 2.00 p. m. | 37.0 | 33.1 | 7 | Nimbus, cirro-cumulus | N. W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 32.0 | 30.5 | 10 | Nimbus | ..... | ..... | 0 | 41.0 | ..... | 9–11 p. m., snow 2 inches; melted snow, .01 inch. |
| Nov. 3 | 7.00 a. m. | 33.0 | 31.8 | 10 | .....do | ..... | S. E. | 1 | ..... | 29.0 | |
| | 2.00 p. m. | 44.9 | 41.5 | 10 | .....do | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m | 36.0 | 34.8 | 10 | .....do | ..... | ..... | 0 | 44.9 | ..... | |
| Nov. 4 | 7.00 a. m. | 31.3 | 30.2 | 4 | Nimbus, cirrus | N. W. | N. W. | 1 | ..... | 29.2 | |
| | 2.00 p. m. | 40.3 | 37.2 | 0 | ..... | ..... | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 25.5 | 23.8 | 0 | ..... | ..... | S. | 2 | 47.0 | ..... | |
| Nov. 5 | 7.00 a. m. | 17.9 | 16.2 | 2 | Cirro-stratus, cirrus | S. W. | S. W. | 1 | ..... | 16.3 | |
| | 2.00 p. m. | 29.4 | 27.8 | 6 | Nimbus, cirro-stratus | S. W. | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 19.2 | 18.2 | 0 | ..... | ..... | ..... | 0 | 31.7 | ..... | |
| Nov. 6 | 7.00 a. m. | 15.7 | 14.9 | 0 | ..... | ..... | ..... | 0 | ..... | 13.4 | |
| | 2.00 p. m. | 38.2 | 34.2 | 4 | Cirrus, cirro-stratus | N. W. | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 28.8 | 26.1 | 5 | Cirro-cumulus | N. W. | ..... | 0 | 43.0 | ..... | |
| Nov. 7 | 7.00 a. m. | 27.8 | 24.8 | 4 | Stratus, cirro-stratus | N. W. | S. E. | 1 | ..... | 21.9 | |
| | 2.00 p. m. | 44.8 | 39.8 | 6 | .....do | N. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 31.2 | 26.9 | 2 | .....do | N. | S. | 2 | 48.3 | ..... | |
| Nov. 10 | 7.00 a. m. | 18.0 | 16.7 | 10 | Nimbus | ..... | S. W. | 3 | ..... | 13.0 | |
| | 2.00 p. m. | 28.0 | 27.0 | 9 | .....do | ..... | S. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 19.3 | 18.5 | 10 | .....do | ..... | S. W. | 1 | 32.2 | ..... | |
| Nov. 11 | 7.00 a. m. | 16.6 | 16.0 | 10 | Cirrus | S. E. | S. E. | 1 | ..... | 13.9 | Occasional flurries of snow. |
| | 2.00 p. m. | 26.5 | 25.6 | 10 | Nimbus | ..... | S. E. | 1 | ..... | ..... | |
| | 9.00 p. m. | 18.0 | 16.2 | 10 | .....do | ..... | S. E. | 2 | 30.2 | ..... | |
| Nov. 12 | 7.00 a. m | 7.1 | 6.2 | 7 | Cirrus, cirro-cumulus | S. E. | S. E. | 2 | ..... | 5.2 | |

*Bozeman, Montana*—Continued.

| Date. | Hour. | Dry bulb. | Wet bulb. | Amount of clouds. | Character of clouds. | Direction from— | Direction of wind. | Velocity of wind. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | |
| Nov. 12 | 2.00 p. m. | 17.0 | 16.5 | 8 | Cirrus, cirro-cumulus | W. | W. | 1 | | | |
| | 9.00 p. m. | 4.0 | 2.1 | 3 | Cirrus | S. W. | S. W. | 1 | 22.7 | | |
| Nov. 13 | 7.00 a. m. | 7.2 | 6.0 | 10 | Nimbus | | N. W. | 1 | | — 2.9 | |
| | 2.00 p. m. | 12.9 | 12.2 | 10 | Cirrus | S. W. | W. | 2 | | | |
| | 9.00 p. m. | 1.4 | — 0.5 | 2 | Cirro-cumulus | S. W. | S. W. | 1 | 20.9 | | |
| Nov. 14 | 7.00 a. m. | — 4.8 | — 5.3 | 0 | | | S. W. | 1 | | —11.1 | |
| | 2.00 p. m. | 4.0 | 5.1 | 1 | Cirrus, cirro-stratus | N. W. | N. W. | 1 | | | |
| | 9.00 p. m. | — 8.8 | —10.1 | 0 | | | S. W. | 1 | 10.6 | | |
| Nov. 15 | 7.00 a. m. | — 9.0 | — 9.5 | 0 | | | S. W. | 1 | | —18.8 | |
| | 2.00 p. m. | 1.2 | 3.0 | 0 | | | N. W. | 1 | | | |
| | 9.00 p. m. | — 9.0 | — 9.5 | 0 | | | S. W. | 1 | 9.7 | | |
| Nov. 16 | 7.00 a. m. | — 8.0 | — 9.0 | 0 | | | S. W. | 1 | | —15.4 | |
| | 2.00 p. m. | 6.4 | 8.5 | 8 | Cirrus, cirro-stratus | S. W. | S. W. | 1 | | | |
| | 9.00 p. m. | — 3.0 | — 4.5 | 0 | | | S. E. | 1 | 13.4 | | |
| Nov. 17 | 7.00 a. m. | — 8.5 | — 8.2 | 0 | | | S. E. | 1 | | —16.1 | |
| | 2.00 p. m. | 10.9 | 12.4 | 3 | Cirrus, cirro-stratus | N. W. | N. W. | 1 | | | |
| | 9.00 p. m. | 6.7 | 5.6 | 2 | Cirrus | N. W. | | 0 | 15.9 | | |
| Nov. 18 | 7.00 a. m. | 5.3 | 4.5 | 2 | do | N. W. | S. E. | 1 | | 1.0 | |
| | 2.00 p. m. | 28.2 | 27.0 | 9 | Cirrus, cirro-stratus | 0 | | 0 | | | |
| | 9.00 p. m. | 25.4 | 23.2 | 10 | Nimbus | | | 0 | 33.8 | | |
| Nov. 19 | 7.00 a. m. | 14.0 | 13.0 | 2 | Cirrus, cirro-cumulus | S. W. | S. | 1 | | 10.0 | |
| | 2.00 p. m. | 32.9 | 31.8 | 10 | Nimbus | | | 0 | | | |
| | 9.00 p. m. | 30.8 | 27.1 | 10 | do | | S. E. | 1 | 33.8 | | |
| Nov. 20 | 7.00 a. m. | 29.8 | 27.1 | 10 | do | | S. W. | 1 | | 23.6 | |
| | 2.00 p. m. | 36.0 | 32.0 | 8 | Cumulus | N. W. | S. W. | 1 | | | |
| | 9.00 p. m. | 28.1 | 25.0 | 10 | Nimbus | | N. W. | 1 | 39.4 | | |
| Nov. 21 | 7.00 a. m. | 25.3 | 22.9 | 10 | do | | S. W. | 1 | | 22.3 | |
| | 2.00 p. m. | 37.8 | 34.1 | 9 | Nimbus, cumulo-stratus | N. W. | S. W. | 1 | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 9.00 p. m. | 34.3 | 30.1 | 10 | Nimbus | | S. W. | 1 | 40.0 | |
| Nov. | 22 | 7.00 a. m. | 31.9 | 30.0 | 10 | do | | S. E. | 1 | | 30.3 |
| | | 2.00 p. m. | 41.2 | 36.7 | 9 | do | S. W. | S. W. | 1 | | |
| | | 9.00 p. m. | 31.6 | 28.0 | 7 | do | S. W. | | 0 | 42.3 | |
| Nov. | 23 | 7.00 a. m. | 23.2 | 21.6 | 10 | do | | S. W. | 1 | | 30.8 |
| | | 2.00 p. m. | 24.7 | 23.5 | 10 | do | | S. W. | 1 | | |
| | | 9.00 p. m. | 10.8 | 9.2 | 0 | | | S. W. | 1 | 32.3 | |
| Nov. | 24 | 7.00 a. m. | 10.8 | 9.9 | 3 | Cirrus, cirro-stratus | N. W. | S. W. | 2 | | 7.9 |
| | | 2.00 p. m. | 22.1 | 19.2 | 10 | Nimbus | S. W. | S. W. | 2 | | |
| | | 9.00 p. m. | 18.2 | 15.3 | 10 | do | S. W. | S. W. | 1 | 24.8 | |
| Nov. | 25 | 7.00 a. m. | 19.0 | 18.0 | 10 | do | | N. E. | 1 | | 8.3 |
| | | 2.00 p. m. | 28.3 | 24.9 | 10 | do | | N. W. | 3 | | |
| | | 9.00 p. m. | 13.0 | 11.8 | 0 | | | N. W. | 3 | 29.1 | |
| Nov. | 26 | 7.00 a. m. | 10.0 | 7.5 | 0 | | | S. E. | 2 | | —16.8 |
| | | 2.00 p. m. | 11.0 | 13.1 | 0 | | | S. E. | 1 | | |
| | | 9.00 p. m. | 4.0 | 2.5 | 0 | | | | 0 | 16.8 | |
| Nov. | 27 | 7.00 a. m. | 14.1 | 11.8 | 6 | Cumulus, cirro-cumulus | W. | S. W. | 1 | | —4.1 |
| | | 2.00 p. m. | 36.2 | 31.1 | 0 | | | | 0 | | |
| | | 9.00 p. m. | 17.1 | 15.3 | 0 | | | S. E. | 1 | 37.0 | |
| Nov. | 28 | 7.00 a. m. | 17.0 | 15.5 | 2 | Cirrus, cirro-stratus | N. W. | S. E. | 1 | | 11.8 |
| | | 2.00 p. m. | 33.1 | 29.8 | 3 | Cirrus | N. W. | N. W. | 1 | | |
| | | 9.00 p. m. | 29.6 | 25.1 | 8 | Nimbus | | S. E. | 1 | 39.6 | |
| Nov. | 29 | 7.00 a. m. | 33.9 | 29.5 | 10 | do | | S. W. | 1 | | 21.9 |
| | | 2.00 p. m. | 44.4 | 39.1 | 10 | do | | | 0 | | |
| | | 9.00 p. m. | 41.9 | 37.2 | 10 | do | | | 0 | 49.8 | |
| Nov. | 30 | 7.00 a. m. | 36.7 | 35.1 | 10 | do | | | 0 | | 35.8 |
| | | 2.00 p. m. | 40.5 | 35.2 | 10 | do | | | 0 | | |
| | | 9.00 p. m. | 40.0 | 35.5 | 10 | do | | S. W. | 2 | 42.5 | |
| Dec. | 1 | 7.00 a. m. | 35.4 | 32.0 | 5 | Cirro-cumulus, cumulus | W. | W. | 1 | | 34.0 |
| | | 2.00 p. m. | 40.8 | 35.1 | 8 | Nimbus, cumulus | | | 0 | | |
| | | 9.00 p. m. | 30.0 | 29.0 | 0 | | | S. E. | 1 | 42.2 | |
| Dec. | 2 | 7.00 a. m. | 26.0 | 24.2 | 9 | Cirrus, cumulus | N. W. | S. E. | 1 | | 20.2 |
| | | 2.00 p. m. | 37.0 | 33.1 | 7 | Nimbus, cirro-cumulus | N. W. | | 0 | | |
| | | 9.00 p. m. | 32.0 | 30.5 | 10 | Nimbus | | | 0 | 41.0 | |
| Dec. | 3 | 7.00 a. m. | 33.0 | 31.8 | 10 | do | | S. E. | 1 | | 29.0 |
| | | 2.00 p. m. | 44.9 | 41.5 | 10 | do | | | 0 | | |
| | | 9.00 p. m. | 36.0 | 34.8 | 10 | do | | | 0 | 44.9 | |
| Dec. | 4 | 7.00 a. m. | 31.3 | 30.2 | 4 | Nimbus, cirrus | N. W. | N. W. | 1 | | 29.2 |

Snow fell during night, 0.75 inch; melted snow, 0.09 inch.

Snow, 9–11 p. m., 0.2 inch; melted snow, 0.01.

*Bozeman, Montana*—Continued.

| Date. | Hour. | Dry bulb. | Wet bulb. | Amount of clouds. | Character of clouds. | Direction from— | Direction of wind. | Velocity of wind. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | |
| Dec. 4 | 2.00 p. m. | 40.3 | 37.2 | 0 | ..... | ..... | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 25.5 | 23.8 | 0 | ..... | ..... | S. | 2 | 47.0 | ..... | |
| Dec. 5 | 7.00 a. m. | 17.9 | 16.2 | 2 | Cirrus, cirro-stratus..... | S. W. | S. W. | 1 | ..... | 16.3 | |
| | 2.00 p. m. | 29.4 | 27.8 | 6 | Nimbus, cirro-stratus ..... | S. W. | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 19.2 | 18.2 | 0 | ..... | ..... | ..... | 0 | 31.7 | ..... | |
| Dec. 6 | 7.00 a. m. | 15.7 | 14.9 | 0 | ..... | ..... | ..... | 0 | ..... | 13.4 | |
| | 2.00 p. m. | 38.2 | 34.2 | 4 | Cirrus, cirro-stratus..... | N. W. | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 28.8 | 26.1 | 5 | Cirro-cumulus..... | N. W. | ..... | 0 | 43.0 | ..... | |
| Dec. 7 | 7.00 a. m. | 27.8 | 24.8 | 4 | Stratus, cirro-stratus..... | N. W. | S. E. | 1 | ..... | 21.9 | |
| | 2.00 p. m. | 44.8 | 39.8 | 6 | Cirrus, cirro-stratus..... | N. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 31.2 | 26.9 | 2 | .....do ..... | S. | S. | 2 | 48.3 | ..... | |
| Dec. 8 | 7.00 a. m. | 23.8 | 21.3 | 0 | ..... | ..... | ..... | 0 | ..... | 18.4 | |
| | 2.00 p. m. | 43.5 | 39.3 | 0 | ..... | ..... | S. E. | 2 | ..... | ..... | |
| | 9.00 p. m. | 27.8 | 25.2 | 0 | ..... | ..... | S. W. | 2 | 48.3 | ..... | |
| Dec. 9 | 7.00 a. m. | 23.8 | 22.2 | 9 | Nimbus, cirrus..... | S. W. | S. W. | 1 | ..... | 17.9 | |
| | 2.00 p. m. | 33.4 | 30.2 | 3 | Cirro-cumulus ..... | N. W. | W. | 2 | ..... | ..... | |
| | 9.00 p. m. | 19.7 | 17.8 | 1 | Cumulus..... | W. | S. | 2 | 37.8 | ..... | |
| Dec. 10 | 7.00 a. m. | 14.6 | 13.3 | 4 | Cirrus, cumulo-stratus ..... | W. | ..... | 0 | ..... | 11.3 | |
| | 2.00 p. m. | 28.1 | 26.3 | 1 | Cumulus..... | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 15.2 | 13.7 | 4 | Cirrus, cirro-cumulus ..... | ..... | S. E. | 3 | 30.0 | ..... | Two distinct shocks of earthquake at 4.30 p. m. |
| Dec. 11 | 7.00 a. m. | 5.4 | 4.8 | 1 | Cirro-stratus..... | ..... | S. E. | 1 | ..... | 2.8 | One shock of earthquake at 6.30 a. m. |
| | 2.00 p. m. | 24.2 | 22.1 | 8 | Nimbus, cirrus..... | ..... | ..... | 0 | ..... | ..... | All the shocks from W. to E. They were more violent at Helena and Deer Lodge than here. |
| | 9.00 p. m. | 20.0 | 18.1 | 9 | .....do ..... | W. | S. E. | 1 | 28.2 | ..... | |
| Dec. 12 | 7.00 a. m. | 24.0 | 21.3 | 9 | .....do ..... | N. W. | N. W. | 1 | ..... | 16.8 | |
| | 2.00 p. m. | 36.1 | 30.3 | 9 | .....do ..... | N. W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 30.5 | 28.5 | 9 | .....do ..... | N. W. | ..... | 0 | 39.0 | ..... | |
| Dec. 13 | 7.00 a. m. | 33.2 | 30.5 | 10 | Nimbus..... | ..... | ..... | 0 | ..... | 27.3 | |
| | 2.00 p. m. | 36.8 | 31.2 | 10 | .....do ..... | ..... | W. | 6 | ..... | ..... | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9.00 p. m. | 17.4 | 16.2 | 10 | do | | W. | 1 | 39.2 | ..... | 2.75 inches snow fell from 2 to 5 p. m; water 0.2 inch. |
| Dec. 14 | 7.00 a. m. | 1.3 | 0.7 | 10 | do | | N. W. | 1 | ..... | — 0.5 | |
| | 2.30 p. m. | 7.1 | 8.8 | 7 | Nimbus, cirro-cumulus | W. | S. | 2 | ..... | ..... | |
| | 9.00 p. m. | — 4.2 | — 4.9 | 2 | Cirrus | W. | S. E. | 1 | 19.0 | ..... | |
| Dec. 15 | 7.00 a. m. | 4.2 | 3.8 | 10 | Nimbus | ..... | ..... | 0 | ..... | — 8.8 | |
| | 2 00 p. m. | 12.0 | 14.1 | 3 | Cirrus, cirro-cumulus | W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 5.1 | 4.6 | 8 | Nimbus, cirrus | W. | S. W. | 1 | 17.1 | ..... | |
| Dec. 16 | 7.00 a. m. | 11.0 | 9.8 | 10 | Nimbus | ..... | ..... | 0 | ..... | — 4.8 | 3 inches snow fell from 7 to 12 p. m; water, 0.28 inch. |
| | 2 00 p. m. | 22.2 | 21.9 | 10 | do | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 16.0 | 15.8 | 10 | do | ..... | S. W. | 1 | 24.8 | ..... | 0.6 inch snow fell from 3 to 8 p. m.; water, 0.05 inch. |
| Dec. 17 | 7.00 a. m. | 10.5 | 9.2 | 10 | do | ..... | S. W. | 1 | ..... | 7.0 | |
| | 2.00 p. m. | 21.2 | 19.8 | 10 | do | ..... | W. | 2 | ..... | ..... | |
| | 9.00 p. m. | 3.5 | 2.8 | 10 | do | ..... | S. E. | 7 | 21.3 | ..... | |
| Dec. 18 | 7.00 a. m. | — 1.5 | — 2.0 | 10 | do | ..... | S. E. | 1 | ..... | — 4.2 | |
| | 2.00 p. m | 3.2 | 4.8 | 9 | Nimbus, cirrus | W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | — 0.8 | — 1.8 | 8 | do | W. | ..... | 0 | 13.5 | ..... | |
| Dec. 19 | 7.00 a. m. | 10.3 | 9.0 | 10 | Nimbus | ..... | E. | 2 | ..... | —11.2 | Snowing at 4 a. m. |
| | 2.00 p. m. | 17.8 | 20.2 | 10 | do | ..... | S. W. | 2 | ..... | ..... | 4 inches snow had fallen at 9 a. m.; water, 0.43 inch. |
| | 9.00 p. m. | 4.5 | 3.8 | 10 | do | ..... | S. W. | 2 | 23.2 | ..... | |
| Dec. 20 | 7.00 a. m. | — 3.2 | — 3.8 | 10 | do | ..... | ..... | 0 | ..... | — 8.0 | |
| | 2.00 p. m. | 2.8 | 2.1 | 10 | do | ..... | S. W. | 3 | ..... | ..... | |
| | 9.00 p. m. | —19.0 | —19.5 | 0 | do | ..... | S. W. | 1 | 9.8 | ..... | |
| Dec. 21 | 7.00 a. m. | —17.0 | —17.4 | 10 | Nimbus, cirrus | S. W. | ..... | 0 | ..... | —30.0 | |
| | 2.00 p. m. | 7.8 | 8.9 | 10 | Nimbus | ..... | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 30.0 | 25.6 | 10 | do | ..... | S. W. | 6 | 32.0 | ..... | |
| Dec. 22 | 7.00 a. m. | 5.0 | 4.5 | 10 | Nimbus | ..... | S. E. | 7 | ..... | 2.0 | |
| | 2.00 p. m. | — 0.8 | — 1.0 | 10 | do | ..... | S. E. | 6 | ..... | ..... | |
| | 9.00 p. m. | —11.5 | —12.0 | 10 | do | ..... | S. W. | 2 | 5.7 | ..... | Snowing all day; drifting heavily—6.0 inches; water, 0.52. |
| Dec. 23 | 7.00 a. m. | —13.2 | —13.9 | 4 | Nimbus, cirrus | N. W. | N. W. | 1 | ..... | —19.0 | |
| | 2.00 p. m. | — 4.0 | — 0.8 | 10 | Nimbus | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | — 9.2 | — 9.6 | 10 | do | ..... | ..... | 0 | 1.7 | ..... | |
| Dec. 24 | 7.00 a. m. | 32.2 | 28.8 | 10 | do | ..... | N. E. | 1 | ..... | —13.2 | |
| | 2.00 p. m. | 40.8 | 36.7 | 10 | do | ..... | S. W. | 5 | ..... | ..... | |
| | 9.00 p. m. | 37.0 | 33.8 | 7 | Nimbus, cirrus | N. W. | S. W. | 4 | 48.3 | ..... | |
| Dec. 25 | 7.00 a. m. | 32.0 | 29.0 | 6 | do | N. W. | S. W. | 1 | ..... | 28.5 | |
| | 2.00 p. m. | 37.8 | 34.9 | 7 | Cirrus, cirro-cumulus | N. W. | S. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 25.0 | 22.8 | 0 | ..... | ..... | S. W. | 2 | 41.8 | ..... | |

*Bozeman, Montana*—Continued.

| Date. | Hour. | Dry bulb. | Wet bulb. | Amount of clouds. | Character of clouds. | Direction from— | Direction of wind. | Velocity of wind. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | |
| Dec. 26 | 7.00 a. m. | 29.8 | 25.6 | 10 | Nimbus | | S. E. | 2 | | 11.3 | |
| | 2.00 p. m. | | | | | | | | | | |
| | 9.00 p. m. | | | | | | | | 37.3 | | |
| Dec. 27 | 7.00 a. m. | 31.1 | 28.2 | 4 | Cirro, cirro-stratus | N. W. | N. W. | 1 | | 16.0 | |
| | 2.00 p. m. | 39.5 | 35.6 | 8 | do | W. | S. W. | 1 | | | |
| | 9.00 p. m. | 28.0 | 24.9 | 10 | Nimbus | | S. W. | 1 | 47.4 | | |
| Dec. 28 | 7.00 a. m. | 24.0 | 20.5 | 8 | Cirro, cirro-stratus | | S. E. | 1 | | 16.5 | |
| | 2.00 p. m. | 37.2 | 35.0 | 10 | Nimbus | | | 0 | | | |
| | 9.00 p. m. | 22.4 | 20.8 | 0 | do | | S. W. | 3 | 42.0 | | |
| Dec. 29 | 7.00 a. m. | 22.6 | 20.8 | 10 | do | | S. | 1 | | 15.5 | |
| | 2.00 p. m. | 27.8 | 27.1 | 10 | | | W. | 1 | | | |
| | 9.00 p. m. | 18.4 | 17.8 | 0 | | | S. W. | 1 | 33.9 | | |
| Dec. 30 | 7.00 a. m. | 5.2 | 4.6 | 0 | | | S. E. | 1 | | — 1.1 | |
| | 2.00 p. m. | 17.5 | 18.0 | 0 | | | N. W. | 1 | | | |
| | 9.00 p. m. | 1.2 | 0.5 | 0 | | | S. W. | 1 | 24.0 | | |
| Dec. 31 | 7.00 a. m. | 4.2 | 3.5 | 8 | Cirrus, cirro-stratus | | | 0 | | — 4.2 | |
| | 2.00 p. m. | | | | | | | | | | |
| | 9.00 p. m. | 6.1 | 5.5 | 0 | | | | 0 | 22.2 | | |
| 1873. | | | | | | | | | | | |
| Jan. 1 | 7.00 a. m. | 11.1 | 10.6 | 3 | Cirro-stratus | S. W. | S. E. | 2 | | 5.2 | |
| | 2.00 p. m. | 22.8 | 23.1 | 8 | Cirrus, cirro-stratus, nimbus. | S. W. | N. W. | 1 | | | |
| | 9.00 p. m. | 25.1 | 23.3 | 9 | Nimbus | | S. W. | 1 | 31.9 | | |
| Jan. 2 | 7.00 a. m. | 20.4 | 17.2 | 10 | do | | W. | 2 | | 13.5 | Snow during night, 0.7 inches; water, 0.5 inches. |
| | 2.00 p. m. | 24.8 | 23.2 | 9 | do | | S. W. | 3 | | | |
| | 9.00 p. m. | 9.9 | 8.2 | 0 | | | S. W. | 3 | 26.7 | | |
| Jan. 3 | 7.00 a. m. | 11.2 | 14.8 | 10 | Nimbus | | E. | 3 | | — 2.0 | |
| | 2.00 p. m. | 23.2 | 24.0 | 10 | do | | | 0 | | | Snow from 12 m. to 9 p. m., 0,6 inches; water 0.4 inches. |
| | 9,00 p. m. | 17,8 | 17.4 | 10 | do | | S. W. | 1 | 25.8 | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan. | 4 | 7.00 a. m. | 10.3 | 8.7 | 3 | Cirrus, cirro-stratus | W. | N. | 1 | ..... | 7.8 | |
| | | 2.00 p. m. | 22.0 | 22.7 | 10 | Nimbus, cirrus | ..... | ..... | 0 | ..... | ..... | |
| | | 9.00 p. m. | 22.4 | 20.7 | 10 | Nimbus | ..... | S. W. | 2 | 26.6 | ..... | Snow from 6 to 8 p.m., 4 inches; water, .03 inches. |
| Jan. | 5 | 7.00 a. m. | 33.0 | 30.0 | 10 | Nimbus, cirrus | W. | W. | 2 | ..... | 20.2 | |
| | | 2.00 p. m. | 38.8 | 35.3 | 10 | .....do | W. | W. | 3 | ..... | ..... | |
| | | 9.00 p. m. | 33.1 | 30.2 | 10 | .....do | S. W. | S. W. | 4 | 41.1 | ..... | |
| Jan. | 6 | 7.00 a. m. | 37.1 | 35.0 | 10 | Nimbus | ..... | W. | 3 | ..... | 25.5 | |
| | | 2.00 p. m. | 40.4 | 36.1 | 10 | .....do | ..... | S. W. | 5 | ..... | ..... | |
| | | 9.00 p. m. | 37.2 | 34.4 | 8 | Nimbus, cirrus | S. W. | S. W. | 8 | 42.8 | ..... | |
| Jan. | 7 | 7.00 a. m. | 4.7 | 4.2 | 1 | Cirrus, cirro-stratus | S. W. | S. W. | 1 | ..... | 1.1 | |
| | | 2.00 p. m. | 21.2 | 21.7 | 2 | Cirro-stratus | S. W. | S. W. | 1 | ..... | ..... | Fine aurora; yellow, red, and green streamers to height of 50° in N. and N.E., from 8 to 9 p.m. |
| | | 9.00 p. m. | 5.0 | 3.2 | 0 | ..... | ..... | S. E. | 1 | 30.0 | ..... | |
| Jan. | 8 | 7.00 a. m. | 3.6 | 2.7 | 6 | Cirrus, cirro-stratus | S. W. | S. E. | 1 | ..... | — 0.9 | |
| | | 2.00 p. m. | 20.8 | 21.2 | 10 | Nimbus | ..... | ..... | 0 | ..... | ..... | |
| | | 9.00 p. m. | 18.0 | 17.1 | 10 | .....do | ..... | ..... | 0 | 25.2 | ..... | |
| Jan. | 9 | 7.00 a. m. | 22.0 | 21.2 | 10 | .....do | ..... | ..... | 0 | ..... | 14.8 | |
| | | 2.00 p. m. | 33.2 | 31.7 | 10 | .....do | ..... | ..... | 0 | ..... | ..... | |
| | | 9.00 p. m. | 32.9 | 29.2 | 10 | .....do | ..... | ..... | 0 | 37.1 | ..... | |
| Jan. | 10 | 7.00 a. m. | 35.9 | 31.6 | 8 | Cirrus, cirro-stratus | W. | W. | 1 | ..... | 32.0 | |
| | | 2.00 p. m. | 39.2 | 34.5 | 2 | .....do | N. W. | N. W. | 1 | ..... | ..... | |
| | | 9.00 p. m. | 29.0 | 31.2 | 2 | Cirro-stratus | W. | S. W. | 2 | 48.1 | ..... | |
| Jan. | 11 | 7.00 a. m. | 39.2 | 32.5 | 9 | Cirrus, cirro-stratus | W. | S. W. | 3 | ..... | 34.2 | |
| | | 2.00 p. m. | 41.5 | 36.1 | 10 | Nimbus | ..... | N. | 1 | ..... | ..... | |
| | | 9.00 p. m. | 38.8 | 34.5 | 10 | .....do | ..... | N. | 1 | 47.8 | ..... | |
| Jan. | 12 | 7.00 a. m. | 33.2 | 32.7 | 10 | .....do | ..... | N. W. | 1 | ..... | 32.8 | |
| | | 2.00 p. m. | 37.0 | 36.1 | 10 | .....do | ..... | ..... | 0 | ..... | ..... | |
| | | 9.00 p. m. | 30.8 | 27.2 | 2 | Cirrus, cirro-stratus | S. W. | S. W. | 3 | 48.1 | ..... | |
| Jan. | 13 | 7.00 a. m. | 20.0 | 17.3 | 2 | Cirro-stratus | ..... | S. | 1 | ..... | 12.2 | |
| | | 2.00 p. m. | 33.0 | 29.3 | 2 | Cirro-stratus, cirrus | S. W. | N. W. | 2 | ..... | ..... | |
| | | 9.00 p. m. | 27.2 | 25.1 | 10 | Nimbus | ..... | S. W. | 1 | 40.1 | ..... | Snow in night, 0.8 inches; water, 0.7 inches. |
| Jan. | 14 | 7.00 a. m. | 20.9 | 19.2 | 10 | .....do | ..... | W. | 1 | ..... | 18.3 | |
| | | 2.00 p. m. | ..... | ..... | 8 | Cirrus, cirro-cumulus | S. W. | S. W. | 2 | ..... | ..... | |
| | | 9.00 p. m. | 8.9 | 7.4 | 1 | Cirrus | ..... | ..... | 0 | 33.2 | ..... | |
| Jan. | 15 | 7.00 a. m. | 17.8 | 17.1 | 10 | Nimbus | ..... | ..... | 0 | ..... | 2.6 | |
| | | 2.00 p. m. | 36.1 | 35.2 | 10 | .....do | ..... | ..... | 0 | ..... | ..... | |
| | | 9.00 p. m. | 30.7 | 27.9 | 10 | .....do | ..... | ..... | 0 | 38.5 | ..... | |
| Jan. | 16 | 7.00 a. m. | 37.0 | 34.1 | 10 | .....do | ..... | ..... | 0 | ..... | 28.4 | |
| | | 2.00 p. m. | 42.3 | 39.1 | 10 | .....do | ..... | ..... | 0 | ..... | ..... | |
| | | 9.00 p. m. | 31.0 | 33.7 | 10 | .....do | ..... | S. W. | 1 | 47.8 | ..... | |

*Bozeman, Montana*—Continued.

| Date. | Hour. | Dry bulb. | Wet bulb. | Amount of clouds. | Character of clouds. | Direction from— | Direction of wind. | Velocity of wind. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1873. | | | | | | | | | | | |
| Jan. 17 | 7.00 a. m. | 23.2 | 21.0 | 1 | Cirro-stratus | | S. E. | 1 | | 21.8 | |
| | 2.00 p. m. | 35.5 | 33.1 | 0 | | | | 0 | | | |
| | 9.00 p. m. | 25.8 | 24.0 | 0 | | | S. W. | 1 | 38.9 | | |
| Jan. 18 | 7.00 a. m. | 31.2 | 28.2 | 8 | Cirrus, cirro-stratus | S. W. | S. E. | 1 | | 17.4 | |
| | 2.00 p. m. | 40.4 | 36.2 | 10 | Nimbus | | S. W. | 3 | | | |
| | 9.00 p. m. | 38.3 | 35.1 | 10 | .....do | | S. W. | 1 | 45.8 | | |
| Jan. 19 | 7.00 a. m. | 40.0 | 35.9 | 7 | Nimbus, cirrus | S. W. | W. | 2 | | 35.7 | |
| | 2.00 p. m. | 44.1 | 43.5 | 10 | Nimbus | | S. W. | 3 | | | |
| | 9.00 p. m. | 42.1 | 36.0 | 5 | .....do | | S. W. | 4 | 47.0 | | |
| Jan. 20 | 7.00 a. m. | 35.8 | 32.7 | 10 | Nimbus, cirrus | S. W. | S. | 1 | | 31.8 | |
| | 2.00 p. m. | 40.1 | 34.4 | 2 | Cumulus | S. W. | N. W. | 1 | | | |
| | 9.00 p. m. | 33.0 | 30.2 | 10 | Nimbus | | S. W. | 1 | 46.5 | | |
| Jan. 21 | 7.00 a. m. | 29.7 | 27.2 | 3 | Nimbus, cirro-cumulus | S. W. | W. | 2 | | 28.4 | |
| | 2.00 p. m. | 32.8 | 31.1 | 10 | Nimbus | | W. | 5 | | | |
| | 9.00 p. m. | 23.5 | 23.2 | 4 | .....do | | W. | 2 | 37.6 | | |
| Jan. 22 | 7.00 a. m. | 20.0 | 18.7 | 10 | .....do | | S. W. | 1 | | 16.9 | |
| | 2.00 p. m. | 29.7 | 28.8 | 10 | .....do | | | 0 | | | |
| | 9.00 p. m. | 23.8 | 21.4 | 0 | | | W. | 2 | 32.1 | | |
| Jan. 23 | 7.00 a. m. | 15.5 | 13.8 | 3 | Cirrus, cirro-stratus | S. W. | S. E. | 1 | | 14.9 | |
| | 2.00 p. m. | 32.5 | 32.4 | 10 | Nimbus | | N. W. | 1 | | | |
| | 9.00 p. m. | 28.5 | 27.8 | 10 | .....do | | | 0 | 35.9 | | Snow in night, 1.7 inches; water, .13 inches. |
| Jan. 24 | 7.00 a. m. | 26.3 | 24.1 | 10 | .....do | | S. W. | 1 | | 23.9 | |
| | 2.00 p. m. | 23.8 | 24.4 | 10 | .....do | | S. W. | 1 | | | |
| | 9.00 p. m. | 18.7 | 17.0 | 0 | | | W. | 2 | 31.8 | | Dense fog from 9 a. m. to 5 p. m. |
| Jan. 25 | 7.00 a. m. | 21.0 | 19.8 | 10 | Nimbus | | | 0 | | 13.9 | |
| | 2.00 p. m. | 32.0 | 30.9 | 10 | .....do | | | 0 | | | |
| | 9.00 p. m. | 28.0 | 26.9 | 10 | .....do | | S. W. | 1 | 36.4 | | |
| Jan. 26 | 7.00 a. m. | 28.5 | 25.8 | 10 | .....do | | N. W. | 1 | | 25.1 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.00 p. m. | 37.8 | 33.9 | 9 | .....do | | | 0 | | | The temperature fell, from 2 to 3 p. m., from 44° to —1°. |
| | | 9.00 p. m. | — 6.0 | — 6.5 | 10 | .....do | | E. | 6 | 44.3 | | Snow from 5 to 9 p. m., 0.2 inches; water, .01 inch. |
| Jan. | 27 | 7.00 a. m. | —16.0 | —16.2 | 0 | | | S. E. | 1 | | —20.5 | |
| | | 2.00 p. m. | — 4.1 | — 3.2 | 0 | | | N. W. | 1 | | | |
| | | 9.00 p. m. | —16.4 | —16.5 | 0 | | | S. E. | 2 | 4.8 | | |
| Jan. | 28 | 7.00 a. m. | —16.0 | —16.3 | 4 | Cirrus, cirro-stratus | | S. | 1 | | —25.0 | |
| | | 2.00 p. m. | 4.9 | 5.8 | 10 | Nimbus | | N. | 1 | | | |
| | | 9.00 p. m. | 14.8 | 13.3 | 10 | .....do | | | 0 | 16.0 | | |
| Jan. | 29 | 7.00 a. m. | 31.9 | 29.8 | 9 | Cirrus, nimbus | S. W. | S. W. | 1 | | 13.9 | |
| | | 2.00 p. m. | 36.2 | 32.3 | 9 | .....do | S. W. | S. W. | 5 | | | |
| | | 9.00 p. m. | 25.0 | 24.8 | 10 | Nimbus | S. W. | S. W. | 1 | 40.8 | | Snow from 6 to 8 p. m., 0.7 inches; water, .05 inches. |
| Jan. | 30 | 7.00 a. m. | 7.3 | 6.6 | 10 | .....do | | E. | 6 | | 5.9 | |
| | | 2.00 p. m. | 0.9 | 1.8 | 10 | .....do | | E. | 7 | | | |
| | | 9.00 p. m. | —10.0 | —10.2 | 0 | | | E. | 6 | 10.4 | | |
| Jan. | 31 | 7.00 a. m. | —19.0 | —19.2 | 10 | Nimbus | | E. | 8 | | —22.4 | |
| | | 2.00 p. m. | — 7.9 | — 5.5 | 10 | .....do | | | 0 | | | |
| | | 9.00 p. m. | —10.8 | —11.6 | 3 | .....do | | | 0 | 0.5 | | |
| Feb. | 1 | 7.00 a. m. | —18.0 | —19.4 | 0 | | | S. | 1 | | —26.0 | |
| | | 2.00 p. m. | — 3.8 | — 2.2 | 0 | | | N. | 1 | | | |
| | | 9.00 p. m. | — 6.6 | — 7.0 | 2 | Cirrus | S. W. | | 0 | 5.2 | | |
| Feb. | 2 | 7.00 a. m. | — 0.5 | — 0.8 | 3 | Cirrus | S. W. | S. E. | 1 | | — 9.7 | |
| | | 2.00 p. m. | 19.4 | 19.5 | 2 | Cirro-cumulus | S. W. | S. E. | 1 | | | |
| | | 9.00 p. m. | 8.9 | 8.4 | 10 | Nimbus, cirrus | S. W. | S. W. | 1 | 29.8 | | |
| Feb. | 3 | 7.00 a. m. | 18.9 | 18.1 | 8 | .....do | S. W. | | 0 | | 6.8 | |
| | | 2.00 p. m. | 33.2 | 31.9 | 7 | Cirrus, cirro-cumulus | S. W. | S. W. | 3 | | | |
| | | 9.00 p. m. | 18.4 | 16.5 | 8 | Nimbus, cirrus | W. | S. W. | 2 | 36.8 | | Snow in night, 1.4 inches; water, .01 inch. |
| Feb. | 4 | 7.00 a. m. | 11.6 | 10.8 | 8 | Cirrus, cirro-stratus | S. W. | S. W. | 1 | | 9.0 | |
| | | 2.00 p. m. | 30.4 | 30.6 | 10 | Nimbus, cirrus | | | 0 | | | |
| | | 9.00 p. m. | 23.8 | 22.4 | 10 | Nimbus | | S. W. | 1 | 32.2 | | |
| Feb. | 5 | 7.00 a. m. | 15.8 | 14.9 | 0 | | | W. | 2 | | 7.1 | |
| | | 2.00 p. m. | 34.2 | 30.9 | 10 | Nimbus | | | 0 | | | |
| | | 9.00 p. m. | 30.6 | 29.1 | 8 | Nimbus, cirrus | S. W. | S. W. | 4 | 39.9 | | |
| Feb. | 6 | 7.00 a. m. | 36.3 | 30.9 | 9 | .....do | S. W. | S. W. | 6 | | 27.0 | |
| | | 2.00 p. m. | 30.8 | 26.4 | 8 | .....do | S. W. | S. W. | 4 | | | |
| | | 9.00 p. m. | 21.8 | 20.9 | 9 | .....do | S. W. | W. | 2 | 36.2 | | |
| Feb. | 7 | 7.00 a. m. | 24.8 | 23.8 | 10 | .....do | W. | W. | 4 | | 20.1 | |
| | | 2.00 p. m. | 29.8 | 29.2 | 8 | .....do | N. W. | N. W. | 2 | | | |
| | | 9.00 p. m. | 11.9 | 10.5 | 0 | | | | 0 | 32.8 | | |

*Bozeman, Montana*—Continued.

| Date. | Hour. | Dry bulb. | Wet bulb. | Amount of clouds. | Character of clouds. | Direction from— | Direction of wind. | Velocity of wind. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1873. | | | | | | | | | | | |
| Feb. 8 | 7.00 a. m. | 4.3 | 3.5 | 0 | ..... | ..... | ..... | 0 | ..... | 1.9 | |
| | 2.00 p. m. | 25.2 | 25.1 | 4 | Cirrus ..... | W. | W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 13.0 | 12.2 | 3 | Cirrus, cirro-stratus..... | S. W. | S. W. | 1 | 29.8 | ..... | |
| Feb. 9 | 7.00 a. m. | 22.0 | 21.8 | 10 | Nimbus..... | ..... | ..... | 0 | ..... | 9.9 | |
| | 2.00 p. m. | 35.0 | 33.1 | 10 | .....do ..... | ..... | W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 21.2 | 20.6 | 0 | ..... | ..... | ..... | 0 | 39.6 | ..... | |
| Feb. 10 | 7.00 a. m. | 14.2 | 13.7 | 1 | Cumulo-stratus ..... | S. W. | S. W. | 1 | ..... | 11.4 | |
| | 2.00 p. m. | 36.9 | 34.5 | 1 | Cirro-stratus..... | S. W. | S. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 19.8 | 18.0 | 0 | ..... | ..... | ..... | 0 | 37.9 | ..... | |
| Feb. 11 | 7.00 a. m. | 23.6 | 21.7 | 10 | Cirrus ..... | 0 | ..... | 0 | ..... | 14.7 | |
| | 2.00 p. m. | 38.7 | 34.8 | 8 | Nimbus, cirro-cumulus ..... | S. W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 31.3 | 29.2 | 10 | Nimbus..... | ..... | ..... | 0 | 45.1 | ..... | |
| Feb. 12 | 7.00 a. m. | 24.0 | 22.1 | 2 | Cirrus, cirro-cumulus ..... | W. | N. W. | 1 | ..... | 22.1 | |
| | 2.00 p. m. | 33.8 | 33.0 | 10 | Nimbus..... | ..... | N. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 27.9 | 26.1 | 10 | .....do ..... | ..... | ..... | 0 | 36.7 | ..... | |
| Feb. 13 | 7.00 a. m. | 18.1 | 17.7 | 4 | Cirrus, cirro-stratus..... | W. | ..... | 0 | ..... | 15.3 | |
| | 2.00 p. m. | 32.5 | 31.4 | 6 | Cirrus, cirro-cumulus ..... | N. W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 26.2 | 25.5 | 9 | Nimbus, cirrus..... | 0 | ..... | 0 | 33.8 | ..... | |
| Feb. 14 | 7.00 a. m. | 12.1 | 11.9 | 0 | ..... | ..... | ..... | 0 | ..... | 9.9 | |
| | 2.00 p. m. | 33.8 | 31.6 | 10 | Nimbus..... | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 23.6 | 23.1 | 9 | .....do ..... | ..... | S. W. | 1 | 37.1 | ..... | |
| Feb. 15 | 7.00 a. m. | 26.7 | 26.1 | 10 | .....do ..... | S. W. | ..... | 0 | ..... | 16.9 | |
| | 2.00 p. m. | 41.0 | 37.1 | 9 | .....do ..... | S. W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 32.3 | 30.2 | 4 | .....do ..... | S. W. | ..... | 0 | 45.1 | ..... | |
| Feb. 16 | 7.00 a. m. | 22.1 | 21.8 | 9 | Nimbus, cirrus..... | S. | ..... | 0 | ..... | 18.6 | |
| | 2.00 p. m. | 31.2 | 31.0 | 10 | Nimbus..... | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 21.1 | 20.9 | 10 | .....do ..... | ..... | S. W. | 1 | 33.4 | ..... | |
| Feb. 17 | 7.00 a. m. | 17.4 | 17.3 | 10 | .....do ..... | ..... | ..... | 0 | ..... | 15.8 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.00 p. m. | 30.1 | 29.5 | 10 | ....do | | S. W. | 1 | | | Snow from 1 p. m. 16th to 11 a. m. 17th, 5.2 inches; water, 0.49 inch. |
| | | 9.00 p. m. | 15.8 | 15.8 | 10 | ....do | | E. | 3 | 30.8 | | |
| Feb. | 18 | 7.00 a. m. | 10.2 | | 10 | ....do | | | 0 | | 6.0 | Snow from 6 p. m. 17th to 7 a. m. 18th, 1.5 inches; water, 0.12 inch. |
| | | 2.00 p. m. | 23.6 | | 1 | Cirrus | S. E. | | 0 | | | |
| | | 9.00 p. m. | — 3.1 | | 0 | | | | 0 | 28.7 | | |
| Feb. | 19 | 7.00 a. m. | — 8.9 | | 1 | Cirro-stratus | 0 | S. E. | 1 | | —15.6 | |
| | | 2.00 p. m. | 27.1 | | 10 | Nimbus | | | 0 | | | |
| | | 9.00 p. m. | 1.3 | | | | | S. E. | 1 | 29.2 | | |
| Feb. | 20 | 7.00 a. m. | 3.0 | | 10 | Nimbus | | | 0 | | —14.2 | |
| | | 2.00 p. m. | 26.4 | | 10 | ....do | | | 0 | | | |
| | | 9.00 p. m. | 30.5 | | 10 | ....do | | S. W. | 3 | 30.5 | | |
| Feb. | 21 | 7.00 a. m. | 22.2 | | 10 | ....do | | | 0 | | 20.1 | |
| | | 2.00 p. m. | 30.8 | | 10 | ....do | | | 0 | | | |
| | | 9.00 p. m. | 3.5 | | 10 | | | S. W. | 2 | 31.2 | | |
| Feb. | 22 | 7.00 a. m. | 13.1 | | 9 | Nimbus, cirro-stratus | N. W. | | 0 | | 3.0 | |
| | | 2.00 p. m. | 29.9 | | 10 | Nimbus, cirrus | 0 | | 0 | | | |
| | | 9.00 p. m. | 29.2 | | 10 | Nimbus | | S. E. | 2 | 36.8 | | |
| Feb. | 23 | 7.00 a. m. | 28.3 | | 10 | ....do | | N. E. | 1 | | 22.4 | Night—4 p. m, snow, 7.2 inches; water, 0.68 inch |
| | | 2.00 p. m. | 27.9 | | 10 | ....do | | S. W. | 4 | | | |
| | | 9.00 p. m. | 6.2 | | 10 | ....do | | E. | 5 | 36.4 | | |
| Feb. | 24 | 7.00 a. m. | 3.2 | | 10 | ....do | | N. E. | 2 | | — 1.0 | |
| | | 2.00 p. m. | 9.8 | | 10 | ....do | | N. E. | 1 | | | |
| | | 9.00 p. m. | — 0.4 | | 10 | ....do | | E. | 3 | 17.3 | | Occasional showers; snow, 2.0 inches; water, 0.18 inch. |
| Feb. | 25 | 7.00 a. m. | — 3.2 | | 10 | Nimbus, cirrus | S. W. | N. E. | 1 | | —11.8 | |
| | | 2.00 p. m. | 6.9 | | 7 | Cirrus, cirro-cumulus | S. W. | N. W. | 2 | | | |
| | | 9.00 p. m. | — 6.9 | | 0 | Misty | | S. W. | 1 | 10.9 | | |
| Feb. | 26 | 7.00 a. m. | —12.5 | | 1 | Cirro-stratus | S. W. | S. E. | 1 | | —19.0 | |
| | | 2.00 p. m. | 13.3 | | 0 | | | | 0 | | | |
| | | 9.00 p. m. | — 2.2 | | 0 | | | S. E. | 2 | 16.3 | | |
| Feb. | 27 | 7.00 a. m. | 3.1 | | 9 | Nimbus, cirrus | S. W. | | 0 | | —10.9 | |
| | | 2.00 p. m. | 23.7 | | 7 | Cirrus, cirro-cumulus | S. W. | | 0 | | | |
| | | 9.00 p. m. | 13.2 | | 10 | Nimbus | | | 0 | 24.2 | | |
| Feb. | 28 | 7.00 a. m. | 13.0 | | 0 | | | S. E. | 1 | | 4.8 | |
| | | 2.00 p. m. | 26.8 | | 2 | Cirrus, cirro-stratus | S. W. | S. W. | 1 | | | |
| | | 9.00 p. m. | 15.7 | | 0 | | | S. W. | 1 | 29.4 | | |
| Mar. | 1 | 7.00 a. m. | 7.7 | | 7 | Cirrus | 0 | | 0 | | 0.4 | |
| | | 2.00 p. m. | 30.3 | | 2 | Cirro-cumulus, cumulus | | | 0 | | | |

*Bozeman, Montana*—Continued.

| Date. | Hour. | Dry bulb. | Wet bulb. | Amount of clouds. | Character of clouds. | Direction from— | Direction of wind. | Velocity of wind. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1873. | | | | | | | | | | | |
| Mar. 1 | 9.00 p. m. | 14.6 | ..... | 2 | Cirrus ..... | S. W. | S. E. | 1 | 36.3 | ..... | |
| Mar. 2 | 7.00 a. m. | 10.8 | ..... | 1 | Cirrus ..... | 0 | ..... | 0 | ..... | — 0.3 | |
| | 2.00 p. m. | 30.2 | ..... | 1 | Cirro-stratus, cirrus..... | S. W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 14.6 | ..... | 1 | Cirrus, cirro-stratus..... | S. W. | S. W. | 1 | 31.8 | ..... | |
| Mar. 3 | 7.00 a. m. | 14.8 | ..... | 10 | Nimbus..... | ..... | S. W. | 2 | ..... | 6.7 | |
| | 2.00 p. m. | 35.3 | ..... | 10 | .....do ..... | ..... | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 24.0 | ..... | 1 | Cirro-stratus..... | 0 | ..... | 0 | 42.1 | ..... | |
| Mar. 4 | 7.00 a. m. | 14.1 | ..... | 1 | Cirro-stratus..... | 0 | S. | 1 | ..... | 9.0 | |
| | 2.00 p. m. | 42.8 | ..... | 7 | Cirrus, cirro-stratus..... | S. W. | ..... | 0 | ..... | ..... | |
| | 9.00 p. m. | 32.0 | ..... | 10 | Nimbus..... | S. W. | ..... | 0 | 44.9 | ..... | |
| Mar. 5 | 7.00 a. m. | 31.6 | ..... | 2 | Cirro-cumulus, cirro-stratus. | S. W. | ..... | 0 | ..... | 26.4 | |
| | 2.00 p. m. | 56.5 | ..... | 3 | Cirrus, cirro-stratus..... | S. W. | N. | 2 | ..... | ..... | |
| | 9.00 p. m. | 38.7 | ..... | 7 | Nimbus, cirrus..... | S. W. | S. W. | 3 | 56.8 | ..... | |
| Mar. 6 | 7.00 a. m. | 38.7 | ..... | 8 | Nimbus, cirro-cumulus..... | S. W. | W. | 3 | ..... | 33.1 | |
| | 2.00 p. m. | 30.0 | ..... | 10 | Nimbus..... | ..... | W. | 5 | ..... | ..... | |
| | 9.00 p. m. | 22.4 | ..... | 0 | ..... | ..... | S. W. | 3 | 38.9 | ..... | 10 a. m. to 5 p. m, snow, 1.6 inch; water, 0.14. |
| Mar. 7 | 7.00 a. m. | 28.1 | ..... | 8 | Nimbus, cirro-cumulus..... | W. | W. | 1 | ..... | 17.8 | |
| | 2.00 p. m. | 41.1 | ..... | 7 | .....do ..... | W. | S. W. | 4 | ..... | ..... | |
| | 9.00 p. m. | 27.1 | ..... | 2 | Cirro-cumulus, cirro-stratus. | S. W. | ..... | 0 | 45.5 | ..... | |
| Mar. 8 | 7.00 a. m. | 30.8 | ..... | 3 | Cirrus, cirro cumulus ..... | W. | W. | 5 | ..... | 25.0 | |
| | 2.00 p. m. | 39.5 | ..... | 10 | Nimbus..... | ..... | S. W. | 1 | ..... | ..... | |
| | 9.00 p. m. | 25.1 | ..... | 4 | Cirro-cumulus, cirrus ..... | W. | W. | 2 | 44.8 | ..... | |
| Mar. 9 | 7.00 a. m. | 31.8 | 29.0 | 5 | Cirrus, cirro-cumulus ..... | W. | S. W. | 2 | ..... | 22.4 | |
| | 2.00 p. m. | 47.5 | 42.1 | 1 | Cirro-cumulus ..... | W. | S. W. | 6 | ..... | ..... | |
| | 9.00 p. m. | 36.9 | 32.5 | 8 | Nimbus, cirrus ..... | W. | S. W. | 3 | 47.9 | ..... | |
| Mar. 10 | 7.00 a. m. | 33.3 | 30.8 | 10 | Nimbus..... | ..... ..... | S. E. | 2 | ..... | 31.8 | |
| | 2.00 p. m. | 43.8 | 37.9 | 10 | .....do ..... | ..... | S. E. | 1 | ..... | ..... | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9.00 p. m. | 36.1 | 35.1 | 10 | ....do | | | 0 | 47.2 | |
| Mar. 11 | 7.00 a. m. | 37.9 | 36.3 | 10 | ....do | | | 0 | | 33.9 |
| | 2.00 p. m. | 48.8 | 44.0 | 10 | ....do | | | 0 | | |
| | 9.00 p. m. | 41.0 | 37.3 | 1 | Cirro-stratus | W. | | 0 | 56.1 | |
| Mar. 12 | 7.00 a. m. | 38.3 | 37.2 | 10 | Nimbus | | W. | 1 | | 36.2 |
| | 2.00 p. m. | 50.4 | 45.5 | 4 | Cumulus, cirro-cumulus | S. W. | S. W. | 2 | | Rain, 8 a. m., 11 a. m, 0.04 inch. |
| | 9.00 p. m. | 40.0 | 37.9 | 10 | Nimbus | | S. W. | 3 | 51.1 | |
| Mar. 13 | 7.00 a. m. | 37.1 | 35.5 | 9 | Nimbus, cirro-cumulus | 0 | | 0 | | 35.0 |
| | 2.00 p. m. | 48.2 | 46.4 | 10 | Nimbus | | S. W. | 3 | | Rain, 4 p. m., night, 0.24 inch. |
| | 9.00 p. m. | 35.7 | 34.8 | 10 | ....do | | S. W. | 1 | 51.2 | |
| Mar. 14 | 7.00 a. m. | 31.3 | 28.9 | 10 | ....do | | S. W. | 1 | | 29.8 |
| | 2.00 p. m. | 32.2 | 31.8 | 10 | .... do | | N. W. | 2 | | |
| | 9.00 p. m. | 23.5 | 21.8 | 3 | Cirro-cumulus, cirrus | S. W. | S. W. | 3 | 41.9 | |
| Mar. 15 | 7.00 a. m. | 20.8 | 19.3 | 10 | Nimbus, cirrus | S. W. | S. W. | 2 | | 11.9 |
| | 2.00 p. m. | 35.7 | 31.1 | 10 | Nimbus | | S. W. | 1 | | |
| | 9.00 p. m. | 31.9 | 28.2 | 10 | ....do | | S. E. | 3 | 42.8 | |
| Mar. 16 | 7.00 a. m. | 32.4 | 30.1 | 10 | ....do | | | 0 | | 29.8 |
| | 2.00 p. m. | 43.8 | 40.0 | 7 | Nimbus, cirro-cumulus | W. | N. | 3 | | |
| | 9.00 p. m. | 33.3 | 32.5 | 10 | Nimbus | | S. W. | 1 | 51.7 | |
| Mar. 17 | 7.00 a. m. | 27.0 | 26.5 | 2 | Cirro-stratus | | S. W. | 1 | | 22.1 |
| | 2.00 p. m. | 42.3 | 35.0 | 10 | Cirrus, cirro-stratus | N. W. | N. W. | 2 | | |
| | 9.00 p. m. | 34.2 | 31.3 | 7 | Nimbus, cirrus | S. W. | N. W. | 1 | 45.5 | |
| Mar. 18 | 7.00 a. m. | 35.7 | 32.8 | 10 | Nimbus | | N. W. | 1 | | 26.0 |
| | 2.00 p. m. | 46.3 | 41.6 | 10 | ....do | | | 0 | | |
| | 9.00 p. m. | 36.3 | 33.2 | 0 | | | | 0 | 46.8 | |
| Mar. 19 | 7.00 a. m. | 30.5 | 28.7 | 1 | Cirrus, cirro-stratus | | N. E. | 1 | | 26.2 |
| | 2.00 p. m. | 51.1 | 41.8 | 2 | Cirro-stratus | N. | N. E. | 1 | | |
| | 9.00 p. m. | 38.5 | 35.1 | 0 | | | S. W. | 2 | 51.2 | |
| Mar. 20 | 7.00 a. m. | 34.7 | 32.8 | 2 | Cirrus, cirro-stratus | | | 0 | | 29.0 |
| | 2.00 p. m. | 60.4 | 50.1 | 4 | Cirrus | | | 0 | | |
| | 9.00 p. m. | 38.7 | 35.3 | 0 | | | S. W. | 3 | 60.4 | |
| Mar. 21 | 7.00 a. m. | 35.1 | 33.1 | 7 | Cirrus, cirro-stratus | N. W. | S. | 1 | | 29.0 |
| | 2.00 p. m. | 59.3 | 47.5 | 9 | Nimbus, cirrus | | | 0 | | |
| | 9.00 p. m. | 44.3 | 37.5 | 0 | | | S. W. | 3 | 61.0 | |
| Mar. 22 | 7.00 a. m. | 34.1 | 31.7 | 3 | Cirrus, cirro-stratus | N. W. | | 0 | | 29.8 |
| | 2.00 p. m. | 33.1 | 30.2 | 6 | Cirrus, cirro-cumulus | | E. | 5 | | |
| | 9.00 p. m. | 22.9 | 21.8 | 9 | Nimbus | | E. | 6 | 39.2 | |

*Ogden, Utah.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| May 26 | 7.00 a. m. | 25.725 | 63.2 | 55.7 | ..... | ..... | 51 | 0.67 | N. E. | 1 | Cumulus | ..... | 1 | Faint aurora last night. |
| | 8.00 a. m. | .734 | 63.4 | 55.0 | ..... | ..... | 49 | 0.63 | ..... | 0 | ..... | ..... | 0 | Elevation, 4,332 feet. |
| | 9.00 a. m. | .751 | 66.1 | 56.1 | ..... | ..... | 50 | 0.59 | ..... | 0 | Cirro-stratus | ..... | 1 | |
| | 10.00 a. m. | .753 | 69.5 | 55.2 | ..... | ..... | 47 | 0.47 | N. E. | 1 | .....do | ..... | 1 | |
| | 11.00 a. m. | .757 | 70.8 | 55.1 | ..... | ..... | 47 | 0.45 | N. E. | 1 | .....do | ..... | 1 | |
| | 12.00 m. | .759 | 73.0 | 55.0 | ..... | ..... | 46 | 0.41 | N. E. | 1 | Cumulus | ..... | 1 | |
| | 1.30 p. m. | .753 | 74.8 | .... | ..... | ..... | .. | 0. .. | N. E. | 2 | Cumulo-stratus | ..... | 1 | |
| | 2.00 p. m. | .749 | 74.6 | 54.1 | ..... | ..... | 44 | 0.35 | N. E. | 1 | .....do | ..... | 1 | |
| | 3.00 p. m. | .741 | 77.3 | 53.9 | ..... | ..... | 43 | 0.32 | N. | 2 | ..... | ..... | 0 | |
| | 4.00 p. m. | .735 | 74.7 | 51.6 | ..... | ..... | 41 | 0.32 | N. | 2 | ..... | ..... | 0 | Hazy. |
| | 5.00 p. m. | .726 | 75.8 | 53.0 | ..... | ..... | 42 | 0.32 | N. | 2 | ..... | ..... | 0 | |
| | 7.00 p. m. | .711 | 70.7 | 53.5 | ..... | ..... | 46 | 0.43 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 p. m. | .706 | 63.1 | 52.7 | ..... | ..... | 46 | 0.56 | ..... | 0 | Stratus | ..... | 1 | |
| | 9.00 p. m. | .704 | 65.9 | 52.5 | 72.5 | ..... | 45 | 0.50 | N. | 1 | ..... | ..... | 0 | |
| May 27 | 6.00 a. m. | .725 | 61.1 | 49.4 | ..... | 50.5 | 41 | 0.50 | N. E. | 1 | Cumulus | ..... | 2 | |
| | 7.00 a. m. | .714 | 67.0 | 54.2 | ..... | ..... | 46 | 0.50 | S. E. | 1 | .....do | ..... | 2 | |
| | 8.00 a. m. | .726 | 68.4 | 53.1 | ..... | ..... | 44 | 0.45 | S. E. | 1 | ..... | ..... | 0 | Light haze. |
| | 9.00 a. m. | .744 | 71.1 | 56.4 | ..... | ..... | 49 | 0.47 | S. E. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .741 | 73.7 | 56.7 | ..... | ..... | 49 | 0.43 | S. E. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .740 | 75.6 | 58.9 | ..... | ..... | 51 | 0.43 | S. E. | 2 | ..... | ..... | 0 | |
| | 12.00 m. | .739 | 77.1 | 58.6 | ..... | ..... | 50 | 0.41 | S. E. | 2 | Cirro-stratus | ..... | 1 | |
| | 1.00 p. m. | .736 | 78.1 | 59.8 | ..... | ..... | 51 | 0.41 | S. E. | 2 | Cumulo-stratus | ..... | 1 | |
| | 2.00 p. m. | .729 | 77.1 | 56.5 | ..... | ..... | 47 | 0.37 | S. E. | 2 | Cirrus, cirro-cumulus | ..... | 1 | |
| | 3.00 p. m. | .724 | 77.8 | 56.4 | ..... | ..... | 45 | 0.34 | S. E. | 2 | Cirro-stratus | ..... | 2 | |
| | 4.00 p. m. | .707 | 79.1 | 56.0 | ..... | ..... | 45 | 0.32 | S. E. | 1 | .....do | ..... | 3 | |
| | 5.00 p. m. | .696 | 81.2 | 60.1 | ..... | ..... | 50 | 0.36 | S. E. | 1 | Cirrus, cirro-stratus | ..... | 4 | |
| | 6.00 p. m. | .687 | 79.2 | 56.6 | ..... | ..... | 46 | 0.34 | ..... | 0 | Cirrus | ..... | 3 | |
| | 7.00 p. m. | .685 | 77.6 | 58.2 | ..... | ..... | 48 | 0.37 | ..... | 0 | Cirro-stratus | ..... | 2 | |
| | 8.00 p. m. | .681 | 68.2 | 56.1 | ..... | ..... | 49 | 0.53 | ..... | 0 | Stratus | ..... | 1 | |
| | 9.00 p. m. | .683 | 63.2 | 54.6 | ..... | ..... | 48 | 0.60 | ..... | 0 | ..... | ..... | 0 | |
| May 28 | 7.00 a. m. | .775 | 65.0 | 55.2 | ..... | 45.2 | 49 | 0.58 | N. | 1 | Cirrus | ..... | 7 | |
| | 8.00 a. m. | .781 | 69.6 | 55.2 | ..... | ..... | 47 | 0.47 | N. | 2 | Cirrus, cirro-stratus | ..... | 7 | |
| | 9.00 a. m. | .793 | 68.5 | 53.6 | ..... | ..... | 45 | 0.45 | N. | 2 | Cirro-stratus | ..... | 5 | |
| | 10.00 a. m. | .805 | 69.9 | 51.8 | ..... | ..... | 43 | 0.40 | N. | 2 | .....do | ..... | 4 | |
| | 11.00 a. m. | .804 | 72.0 | 53.4 | ..... | ..... | 44 | 0.39 | N. | 2 | .....do | ..... | 4 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12.00 m.... | .799 | 73.3 | 55.2 | ..... | ..... | 46 | 0.41 | N. | 2 | .....do ..... | ..... | 3 | |
| | 1.00 p. m. | .790 | 73.8 | 53.8 | ..... | ..... | 44 | 0.37 | N. | 2 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .783 | 75.4 | 54.4 | ..... | ..... | 44 | 0.35 | N. | 2 | .....do ..... | ..... | 1 | |
| | 3.00 p. m. | .772 | 76.9 | 55.4 | ..... | ..... | 44 | 0.33 | ..... | 0 | .....do ..... | ..... | 1 | |
| | 4.00 p. m. | .754 | 77.4 | .... | ..... | ..... | .. | 0. .. | N. | 1 | Cumulus..... | ..... | 1 | |
| | 5.00 p. m. | .739 | 77.9 | 54.1 | ..... | ..... | 42 | 0.30 | N. | 1 | Cirro-stratus..... | ..... | 1 | |
| | 6.00 p. m. | .730 | 76.6 | 53.8 | ..... | ..... | 43 | 0.32 | ..... | 0 | ..... | ..... | 0 | |
| | 7.00 p. m. | .726 | 72.3 | 54.9 | ..... | ..... | 47 | 0.43 | N. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .724 | 66.2 | 53.8 | ..... | ..... | 47 | 0.53 | ..... | 0 | ..... | ..... | 0 | |
| | 9.00 p. m. | .731 | 59.6 | 53.1 | ..... | ..... | 48 | 0.67 | ..... | 0 | ..... | ..... | 0 | Faint aurora. |
| May 29 | 7.00 a. m. | .683 | 63.0 | 51.8 | ..... | ..... | 44 | 0.53 | N. E. | 1 | Cumulo-stratus ..... | ..... | 2 | Wind in gusts. |
| | 8.00 a. m. | .669 | 65.1 | 51.4 | ..... | ..... | 43 | 0.47 | N. E. | 2 | .....do ..... | ..... | 2 | |
| | 9.00 a. m. | .640 | 71.0 | 53.6 | ..... | ..... | 46 | 0.43 | N. E. | 1 | Cumulus..... | ..... | 3 | |
| | 10.00 a. m. | .631 | 74.3 | 54.0 | ..... | ..... | 44 | 0.37 | N. E. | 2 | .....do ..... | ..... | 3 | |
| | 11.00 a. m. | .623 | 77.3 | 58.0 | ..... | ..... | 49 | 0.39 | N. E. | 1 | Cumulo-stratus ..... | ..... | 1 | |
| | 12.00 m.... | .607 | 76.9 | 59.1 | ..... | ..... | 50 | 0.41 | N. E. | 1 | .....do ..... | ..... | 1 | |
| | 1.00 p. m. | .587 | 80.7 | 60.0 | ..... | ..... | 50 | 0.36 | N. E. | 2 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .572 | 82.6 | 62.8 | ..... | ..... | 53 | 0.38 | N. E. | 2 | Cirro-cumulus ..... | ..... | 1 | |
| | 3.00 p. m. | .550 | 84.2 | 62.2 | ..... | ..... | 51 | 0.34 | N. E. | 1 | .....do ..... | ..... | 1 | |
| | 4.00 p. m. | .526 | 85.4 | 63.8 | ..... | ..... | 54 | 0.36 | N. W. | 2 | Cumulo-stratus ..... | ..... | 1 | |
| | 5.00 p. m. | .501 | 84.1 | 61.9 | ..... | ..... | 51 | 0.34 | N. W. | 1 | Stratus ..... | ..... | 1 | |
| | 6.00 p. m. | .489 | 82.5 | 63.9 | ..... | ..... | 55 | 0.39 | N. W. | 0 | Cirrus ..... | ..... | 2 | |
| | 7.00 p. m. | .482 | 74.2 | 61.8 | ..... | ..... | 56 | 0.55 | N. W. | 1 | Cumulo-stratus ..... | ..... | 4 | |
| | 8.00 p. m. | .505 | 73.0 | 62.1 | ..... | ..... | 57 | 0.58 | N. W. | 1 | Cirro-cumulus ..... | ..... | 7 | |
| | 9.00 p. m. | .514 | 71.1 | 59.1 | ..... | ..... | 53 | 0.55 | N. W. | 0 | .....do ..... | ..... | 8 | |
| May 30 | 7.00 a. m. | .551 | 72.8 | 55.2 | ..... | ..... | 46 | 0.41 | N. E. | 2 | Cirro-stratus..... | ..... | 1 | Snow disappearing rapidly from the mountains. |
| | 8.00 a. m. | .547 | 73.6 | 54.0 | ..... | ..... | 44 | 0.37 | N. E. | 3 | ....do ..... | ..... | 2 | |
| | 9.00 a. m. | .541 | 79.0 | 55.8 | ..... | ..... | 45 | 0.32 | N. E. | 3 | Cirro-cumulus ..... | ..... | 8 | |
| | 10.00 a. m. | .543 | 80.2 | 56.4 | ..... | ..... | 41 | 0.30 | N. E. | 2 | Cirro-stratus..... | ..... | 8 | |
| | 11.00 a. m. | .536 | 84.0 | 56.2 | ..... | ..... | 42 | 0.25 | N. E. | 3 | .....do ..... | ..... | 8 | |
| | 12.00 m .... | .548 | 80.2 | 56.3 | ..... | ..... | 44 | 0.30 | N. E. | 2 | .....do ..... | ..... | 9 | |
| | 1.00 p. m. | .567 | 79.4 | 57.0 | ..... | ..... | 46 | 0.34 | N. E. | 4 | .....do ..... | ..... | 9 | Wind in squalls. |
| | 2.00 p. m. | .587 | 79.1 | 56.7 | ..... | ..... | 46 | 0.34 | N. E. | 4 | .....do ..... | ..... | 9 | |
| | 3.00 p. m. | .564 | 82.0 | 59.3 | ..... | ..... | 48 | 0.32 | N. E. | 2 | .....do ..... | ..... | 4 | |
| | 4.00 p. m. | .540 | 81.3 | 57.9 | ..... | ..... | 47 | 0.32 | N. E. | 2 | .....do ..... | ..... | 5 | |
| | 5.00 p. m. | .517 | 82.7 | 60.2 | ..... | ..... | 49 | 0.32 | N. E. | 2 | .....do ..... | ..... | 4 | |
| | 6.00 p. m. | .511 | 78.8 | 58.0 | ..... | ..... | 48 | 0.35 | N. E. | 2 | .....do ..... | ..... | 8 | |
| | 7.00 p. m. | .525 | 76.9 | 55.1 | ..... | ..... | 44 | 0.33 | N. E. | 3 | Cirro-cumulus, stratus | ..... | 8 | |
| | 8.00 p. m. | .531 | 75.6 | 53.9 | ..... | ..... | 43 | 0.33 | N. E. | 5 | Stratus ..... | ..... | 10 | |
| | 9.00 p. m. | .555 | 74.1 | 52.9 | ..... | ..... | 43 | 0.35 | N. E. | 5 | .....do ..... | ..... | 10 | |
| | 10.00 p. m. | .587 | 71.7 | 53.0 | 87.5 | ..... | 44 | 0.39 | S. S. E. | 6 | .....do ..... | ..... | 10 | |
| May 31 | 5.00 a. m. | .599 | 70.7 | 55.0 | ..... | 53.7 | 47 | 0.45 | E. | 2 | Cumulo-stratus ..... | ..... | 9 | |
| | 7.00 a. m. | .586 | 72.7 | 54.8 | ..... | ..... | 46 | 0.41 | E. | 1 | .....do ..... | ..... | 10 | |
| | 8.00 a. m. | .579 | 71.7 | 54.5 | ..... | ..... | 47 | 0.43 | E. | 0 | .....do ..... | ..... | 10 | |
| | 9.00 a. m. | .649 | 68.2 | 57.3 | ..... | ..... | 50 | 0.56 | E. | 4 | .....do ..... | ..... | 10 | |
| | 10.00 a. m. | .666 | 64.9 | 58.2 | ..... | ..... | 54 | 0.69 | E. | 4 | .....do ..... | ..... | 10 | |
| | 11.00 a. m. | .675 | 57.2 | 56.6 | ..... | ..... | 55 | 0.97 | E. | 3 | .....do ..... | ..... | 10 | Raining heavily, |
| | 12.00 m.... | .625 | 63.8 | 58.1 | ..... | ..... | 54 | 0.71 | E. | 4 | .....do ..... | ..... | 4 | |

*Ogden, Utah*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| May 31 | 1.00 p. m. | 25.594 | 68.2 | 57.7 | ..... | ..... | 52 | 0.59 | E. | 3 | Cirrus | ..... | 1 | |
| | 2.00 p. m. | .588 | 73.4 | 61.2 | ..... | ..... | 55 | 0.55 | E. | 2 | Cirro-cumulus | ..... | 6 | |
| | 3.00 p. m. | .572 | 73.9 | 60.8 | ..... | ..... | 55 | 0.53 | E. | 2 | Cirro-stratus | ..... | 4 | |
| | 4.00 p. m. | .564 | 75.2 | 59.6 | ..... | ..... | 53 | 0.48 | E. | 2 | .....do | ..... | 4 | |
| | 5.00 p. m. | .544 | 77.3 | 58.2 | ..... | ..... | 49 | 0.39 | E. | 2 | Cumulus | ..... | 3 | |
| | 6.00 p. m. | .551 | 75.2 | 59.4 | ..... | ..... | 51 | 0.45 | E. | 2 | .....do | ..... | 2 | |
| | 7.00 p. m. | .569 | 71.6 | 56.1 | ..... | ..... | 48 | 0.45 | E. | 2 | .....do | ..... | 1 | |
| | 8.00 p. m. | .576 | 69.1 | 53.3 | ..... | ..... | 43 | 0.42 | E. | 5 | .....do | ..... | 1 | |
| | 9.00 p. m. | .599 | 67.1 | 52.8 | ..... | ..... | 45 | 0.47 | E. | 5 | .....do | ..... | 1 | |
| June 1 | 7.00 a. m. | .652 | 68.4 | 54.1 | ..... | ..... | 46 | 0.47 | E. | 2 | Cirro-cumulus | ..... | 4 | |
| | 8.00 a. m. | .648 | 69.2 | 54.9 | ..... | ..... | 47 | 0.47 | E. | 2 | .....do | ..... | 4 | |
| | 9.00 a. m. | .658 | 72.1 | 57.8 | ..... | ..... | 51 | 0.50 | E. | 1 | Cirrus | ..... | 3 | |
| | 10.00 a. m. | .662 | 73.6 | 58.0 | ..... | ..... | 50 | 0.45 | E. | 2 | Cirro-stratus | ..... | 3 | |
| | 11.00 a. m. | .654 | 75.9 | 58.5 | ..... | ..... | 51 | 0.43 | E. | 2 | Cirrus | ..... | 4 | |
| | 12.00 m... | .643 | 76.9 | 58.9 | ..... | ..... | 50 | 0.41 | E. | 2 | Cumulus | ..... | 3 | |
| | 1.00 p. m. | .627 | 77.8 | 58.6 | ..... | ..... | 50 | 0.39 | E. | 2 | .....do | ..... | 4 | |
| | 2.00 p. m. | .601 | 80.5 | 61.8 | ..... | ..... | 53 | 0.39 | E. | 2 | .....do | ..... | 4 | |
| | 3.00 p. m. | .603 | 78.0 | 62.2 | ..... | ..... | 54 | 0.45 | E. | 2 | Cirro-cumulus | ..... | 8 | |
| | 4.00 p. m. | .605 | 74.9 | 58.8 | ..... | ..... | 51 | 0.45 | E. | 1 | .....do | ..... | 8 | |
| | 5.00 p. m. | .605 | 77.2 | 59.7 | ..... | ..... | 52 | 0.43 | E. | 1 | Cirro-stratus | ..... | 6 | |
| | 6.00 p. m. | .598 | 77.1 | 60.6 | ..... | ..... | 53 | 0.45 | E. | 1 | Cirro-cumulus | ..... | 5 | |
| | 7.00 p. m. | .589 | 73.5 | 58.1 | ..... | ..... | 51 | 0.48 | ..... | 0 | Cirro-stratus | ..... | 3 | |
| | 8.00 p. m. | .596 | 68.0 | 52.2 | ..... | ..... | 42 | 0.42 | E. | 1 | Stratus | ..... | 2 | |
| | 9.00 p. m. | .622 | 65.1 | 51.2 | ..... | ..... | 43 | 0.47 | E. | 1 | .....do | ..... | 1 | |

*Snake River Division, Camp 1, Ogden, Utah.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| June 3 | 9.00 p. m. | 25.447 | 61.4 | 52.3 | ..... | ..... | 46 | 0.60 | ..... | 0 | ..... | ..... | ..... | Elevation, 4,527 feet. |
| | 10.00 p. m. | .447 | 59.3 | 52.5 | ..... | ..... | 49 | 0.71 | ..... | 0 | ..... | ..... | ..... | |
| | 11.00 p. m. | .477 | 63.6 | 53.0 | ..... | ..... | 45 | 0.53 | ..... | 0 | ..... | ..... | ..... | |
| | 12.00 m... | .474 | 63.5 | 52.2 | ..... | ..... | 44 | 0.50 | ..... | 0 | ..... | ..... | ..... | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| June 4 | 1.00 a. m. | .472 | 59.8 | 51.9 | | | 46 | 0.68 | | | | |
| | 2.00 a. m. | .471 | 57.9 | 50.6 | | | 46 | 0.67 | | | | |
| | 3.00 a. m. | .466 | 55.7 | | | | | | | | | |
| | 4.00 a. m. | .469 | 53.9 | 49.1 | | | 44 | 0.71 | | | | |
| | 6.00 a. m. | .487 | 64.8 | 56.2 | | | 51 | 0.62 | | 0 | Cirro-stratus | 8 |
| | 7.00 a. m. | .481 | 67.5 | 56.4 | | | 49 | 0.56 | S. | 2 | Cirro-stratus, cirro-cumulus. | 9 |
| | 8.00 a. m. | .499 | 70.0 | 57.5 | | | 52 | 0.55 | S. | 2 | do | 9 |
| | 9.00 a. m. | .502 | 69.5 | 56.2 | | | 48 | 0.50 | S. | 4 | do | 10 |
| | 10.00 a. m. | .525 | 69.5 | 56.0 | | | 49 | 0.50 | S. | 3 | do | 10 |
| | 11.00 a. m. | .511 | 69.7 | 57.0 | | | 51 | 0.52 | S. | 3 | do | 10 |
| | 12.00 m. | .498 | 77.0 | 61.5 | | | 55 | 0.48 | S. S. W. | 3 | Cumulus | 9 |
| | 1.00 p. m. | .472 | 78.2 | 60.1 | | | 51 | 0.41 | S. | 3 | Cirro-cumulus | 8 |
| | 2.00 p. m. | .455 | 80.4 | 63.2 | | | 55 | 0.43 | S. | 3 | Cumulus | 7 |
| | 3.00 p. m. | .448 | 77.8 | 61.3 | | | 53 | 0.43 | S. | 3 | Cumulo-stratus | 8 |
| | 4.00 p. m. | .458 | 68.9 | 61.5 | | | 58 | 0.69 | S. | 2 | Cirro-stratus | 8 |
| | 5.00 p. m. | .421 | 71.8 | 58.2 | | | 51 | 0.50 | S. | 2 | Cirro-cumulus | 8 |
| | 6.00 p. m. | .395 | 69.9 | 59.3 | | | 54 | 0.58 | S. | 2 | do | 4 |
| | 7.00 p. m. | .385 | 64.0 | 56.4 | | | 50 | 0.64 | S. W. | 1 | Cumulus, cirro-cumulus. | 1 |
| | 8.00 p. m. | .380 | 60.5 | 54.0 | | | 49 | 0.67 | S. S. W. | 2 | Stratus, cirro-cumulus. | 1 |
| | 9.00 p. m. | .367 | 58.5 | 54.0 | | | 51 | 0.50 | S. S. W. | 2 | Stratus | 1 |
| | 10.00 p. m. | .377 | 57.5 | 50.0 | | | 44 | 0.63 | | | | |
| | 11.00 p. m. | .380 | 52.5 | 48.6 | | | 45 | 0.76 | | | | |
| | 12.00 p. m. | .367 | 54.2 | 48.5 | | | 42 | 0.67 | | | | |
| June 5 | 1.00 a. m. | .343 | 53.3 | 42.5 | | | 31 | 0.46 | | | | |
| | 2.00 a. m. | .356 | 52.8 | 48.6 | | | 45 | 0.76 | | | | |
| | 3.00 a. m | .361 | 60.6 | 52.4 | | | 46 | 0.63 | | | | |
| | 5.30 a. m. | .342 | 51.3 | 48.6 | | | 45 | 0.81 | | | | |
| | 6.00 a. m. | .334 | 56.1 | 51.3 | | | 48 | 0.75 | | | | |
| | 7.00 a. m. | .345 | 63.5 | 54.5 | | | 49 | 0.60 | S. S. W. | 1 | Cumulus, cumulo-stratus. | 1 |
| | 8.00 a. m. | .350 | 66.9 | 55.6 | | | 49 | 0.50 | S. | 2 | Cirro-cumulus | 3 |
| | 9.00 a. m. | .341 | 77.8 | 59.3 | | | 50 | 0.39 | S. | 2 | Cirro-stratus | 6 |
| | 10.00 a. m. | .332 | 67.8 | 56.9 | | | 50 | 0.56 | S. | 3 | Cumulo-stratus | 7 |
| | 11.00 a. m. | .321 | 62.8 | 52.8 | | | 46 | 0.56 | S. | 2 | do | 8 |
| | 12.00 m. | .335 | 68.6 | 54.0 | | | 45 | 0.45 | S. | 2 | do | 8 |
| | 2.00 p. m. | .308 | 69.1 | 54.3 | | | 45 | 0.45 | N. E. | 1 | Cumulus, cirro-stratus. | 8 |
| | 3.00 p. m. | .312 | 71.7 | 53.5 | | | 45 | 0.41 | E. | 1 | Cumulus, cirro-cumulus. | 9 |
| | 4.00 p. m. | .311 | 72.6 | 54.5 | | | 46 | 0.41 | N. W. | 1 | do | 3 |
| | 5.00 p. m. | .252 | 68.3 | 52.8 | | | 44 | 0.45 | N. | 2 | do | 3 |
| June 5 | 6.00 p. m. | .311 | 65.8 | 52.4 | | | 44 | 0.47 | N. N. E. | 1 | do | 5 |
| | 7.00 p. m. | .325 | 58.9 | 50.0 | | | 44 | 0.60 | N. | 1 | Cirro-stratus | 7 |
| | 8.00 p. m. | .337 | 56.3 | 49.2 | | | 44 | 0.67 | S. | 3 | | |
| | 9.00 p. m. | .370 | 57.6 | 48.7 | | | 43 | 0 60 | S. | 3 | | Rain, lasting 10 minutes. |
| | 10.00 p. m. | .373 | 57.2 | 47.8 | | | 42 | 0.59 | S. | 3 | | Elevation, 4,527 feet. |
| | 11.00 p. m. | .363 | 56.4 | 47.6 | | | 42 | 0.63 | S. | 2 | | |
| | 12.00 p. m. | .374 | 54.1 | 47.3 | | | 40 | 0.62 | S. | 1 | | |
| June 6 | 1.00 a. m. | .379 | 54.5 | 53.4 | | | 52 | 0.88 | S. | 1 | | |

*Snake River Division, Camp 1, Ogden, Utah*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 6 | 2.00 a. m. | 25.383 | 56.0 | 47.5 | ..... | ..... | 42 | 0.63 | S. | 1 | ..... | ..... | ..... | |
| | 4.00 a. m. | .400 | 57.0 | 49.3 | ..... | ..... | 43 | 0.63 | S. E. | 1 | ..... | ..... | ..... | |
| | 5.00 a. m. | .403 | 57.7 | 50.2 | ..... | ..... | 44 | 0.63 | S. | 1 | ..... | ..... | ..... | |
| | 6.00 a. m. | .412 | 58.3 | 52.3 | ..... | 52.0 | 48 | 0.71 | S. W. | 1 | ..... | ..... | ..... | |
| | 7.00 a. m. | .428 | 63.5 | 53.2 | ..... | ..... | 45 | 0.53 | S. | 2 | Cirro-cumulus | ..... | 5 | |
| | 8.00 a. m. | .439 | 63.1 | 53.2 | ..... | ..... | 46 | 0.56 | S. | 2 | do | ..... | 3 | Light haze. |
| | 9.00 a. m. | .438 | 66.2 | 54.9 | ..... | ..... | 48 | 0.55 | S. | 3 | do | ..... | 6 | |
| | 10.00 a. m. | .444 | 69.2 | 55.3 | ..... | ..... | 47 | 0.47 | S. | 3 | do | ..... | 5 | |
| | 11.00 a. m. | .444 | 69.6 | 55.0 | ..... | ..... | 48 | 0.47 | S. | 3 | Cirrus, cirro-cumulus | ..... | 4 | |
| | 12.00 m. | .431 | 76.4 | 60.6 | ..... | ..... | 54 | 0.48 | S. | 3 | Cirro-stratus, cumulus | ..... | 6 | |
| | 1.00 p. m. | .430 | 73.7 | 57.0 | ..... | ..... | 49 | 0.43 | S. | 2 | Cumulus, cirro-stratus | ..... | 8 | |
| | 2.00 p. m. | .422 | 76.4 | 59.0 | ..... | ..... | 51 | 0.43 | S. | 2 | Cumulo-stratus, cirro-stratus. | ..... | 8 | |
| | 3.00 p. m. | .426 | 73.5 | 56.9 | ..... | ..... | 49 | 0.43 | S. | 1 | do | ..... | 8 | |
| | 4.00 p. m. | .423 | 73.5 | 56.5 | ..... | ..... | 49 | 0.43 | S. W. | 1 | Cumulus, cirro-cumulus. | ..... | 5 | |
| | 5.00 p. m. | .415 | 72.2 | 54.0 | ..... | ..... | 45 | 0.41 | S. W. | 2 | Cumulus, cirro-stratus | ..... | 2 | |
| | 6.30 p. m. | .418 | 67.5 | 53.1 | ..... | ..... | 44 | 0.45 | S. | 1 | Cirrus, cirro-stratus | ..... | 5 | |
| | 7.00 p. m. | .419 | 59.5 | 50.5 | ..... | ..... | 45 | 0.60 | S. E. | 1 | Cirro cumulus, cirro-stratus. | ..... | 7 | |
| | 8.00 p. m. | .412 | 61.2 | 48.8 | ..... | ..... | 41 | 0.50 | S. S. E. | 1 | Cirro-stratus | ..... | 8 | |
| | 9.00 p. m. | .435 | 56.2 | 47.1 | ..... | ..... | 41 | 0.59 | E. | 1 | Stratus | ..... | 4 | |
| | 10.00 p. m. | .437 | 56.1 | 46.8 | ..... | ..... | 43 | 0.63 | E. | 2 | ..... | ..... | ..... | |
| | 11.00 p. m. | .441 | 55.0 | 45.9 | ..... | ..... | 40 | 0.59 | E. | 2 | ..... | ..... | ..... | |
| | 12.00 p. m | .449 | 56.1 | 44.1 | ..... | ..... | 36 | 0.49 | E. | 2 | ..... | ..... | ..... | |
| June 7 | 1.00 a. m. | .467 | 50.5 | 42.5 | ..... | ..... | 35 | 0.58 | E. | 1 | Stratus | ..... | 1 | |
| | 2.00 a. m. | .467 | 48.0 | 41.1 | ..... | ..... | 33 | 0.60 | E. | 1 | do | ..... | 1 | |
| | 3.00 a. m. | .474 | 48.8 | 41.4 | ..... | ..... | 32 | 0.56 | E. | 1 | do | ..... | 1 | |
| | 4.00 a. m. | .487 | 54.0 | 42.3 | ..... | ..... | 30 | 0.43 | E. | 1 | Cirro-stratus | ..... | 6 | |
| | 5.00 a. m. | .489 | 53.7 | 43.1 | ..... | ..... | 32 | 0.47 | E. | 1 | Cirrus, cirro-stratus | ..... | 7 | |
| | 6.00 a. m. | .493 | 56.9 | 47.8 | ..... | ..... | 42 | 0.59 | ..... | 0 | do | ..... | 8 | |
| | 7.00 a. m. | .501 | 60.0 | 50.0 | ..... | 45.0 | 43 | 0.56 | N. E. | 1 | do | ..... | 8 | |
| | 8.00 a. m. | .517 | 62.0 | 50.2 | ..... | ..... | 42 | 0.50 | W. | 1 | Cirro-stratus, cirro-cumulus. | ..... | 9 | |
| | 9.00 a. m. | .518 | 69.0 | 52.0 | ..... | ..... | 42 | 0.40 | N. W. | 1 | do | ..... | 7 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10.00 a. m. | .525 | 68.2 | 50.0 | ..... | ..... | 39 | 0.38 | N. W. | 1 | Cirro-stratus | ..... | 9 | |
| | 11.00 a. m. | .533 | 68.4 | 50.6 | ..... | ..... | 49 | 0.40 | N. W. | 1 | Cirro-stratus, cirro-cumulus. | ..... | 10 | Hazy. |
| | 12.00 m ... | .528 | 70.0 | 52.0 | ..... | ..... | 43 | 0.40 | N. W. | 1 | .....do ..... | ..... | 9 | |
| | 1.00 p. m. | .546 | 74.0 | 55.5 | ..... | ..... | 47 | 0.41 | N. W. | 1 | .....do ..... | ..... | 8 | |
| | 2.00 p. m. | .530 | 72.3 | 52.2 | ..... | ..... | 42 | 0.37 | ..... | 0 | Cirro-stratus | ..... | 8 | |
| | 3.00 p. m. | .520 | 73.1 | 51.5 | ..... | ..... | 42 | 0.35 | ..... | 0 | Cirro-stratus, cumulus. | ..... | 6 | |
| | 4.00 p. m. | .507 | 69.2 | 51.8 | ..... | ..... | 42 | 0.40 | ..... | 0 | Cirro-stratus, cirro-cumulus. | ..... | 6 | |
| | 5.00 p. m. | .504 | 63.2 | 49.4 | ..... | ..... | 39 | 0.45 | ..... | 0 | Cirro-cumulus ..... | ..... | 4 | |
| | 6.00 p. m. | .505 | 62.5 | 49.6 | ..... | ..... | 41 | 0.47 | ..... | 0 | Cirrus, cirro-cumulus . | ..... | 5 | |
| | 7.00 p. m. | .511 | 57.1 | 48.2 | ..... | ..... | 42 | 0.59 | ..... | 0 | Cirro-cumulus ..... | ..... | 5 | |
| | 8.00 p. m. | .522 | 50.4 | 43.7 | ..... | ..... | 38 | 0.66 | ..... | 0 | Cirro-cumulus, stratus. | ..... | 4 | |
| | 9.00 p. m. | .539 | 49.1 | 43.2 | ..... | ..... | 36 | 0.65 | ..... | 0 | Cirro-cumulus ... .... | ..... | 4 | |
| June 8 | 7.00 a. m. | .654 | 56.2 | 47.8 | ..... | 40.4 | 42 | 0.63 | ..... | 0 | Cirro-stratus | ..... | 1 | |
| | 8.00 a. m. | .654 | 61.6 | 49.2 | ..... | ..... | 40 | 0.47 | S. | 1 | Cirro-stratus, cumulus. | ..... | 4 | |
| | 9.00 a. m. | .665 | 65.8 | 50.2 | ..... | ..... | 40 | 0.42 | N. E. | 2 | Cirro-stratus, cumulo-stratus. | ..... | 3 | |
| | 10.00 a. m. | .681 | 67.0 | 50.5 | ..... | ..... | 42 | 0.42 | ..... | ..... | Cirro-cumulus .. ..... | ..... | 3 | |
| | 11.00 a. m. | .698 | 67.5 | 50.0 | ..... | ..... | 39 | 0.38 | ..... | ..... | .....do ..... | ..... | 2 | |
| | 12.00 m.... | .687 | 69.0 | 51.0 | ..... | ..... | 40 | 0.40 | ..... | ..... | .....do ..... | ..... | 1 | |
| | 1.00 p. m. | .694 | 68.0 | 51.1 | ..... | ..... | 41 | 0.40 | ..... | ..... | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .679 | 69.5 | 52.0 | ..... | ..... | 43 | 0.40 | ..... | ..... | Cirro-cumulus ..... | ..... | 1 | |
| | 3.00 p. m. | .646 | 70.8 | 53.1 | ..... | ..... | 44 | 0.40 | N. W. | 3 | .....do ..... | ..... | 1 | |
| | 4.00 p. m. | .637 | 70.0 | 52.2 | ..... | ..... | 43 | 0.40 | W. | 3 | .....do ..... | ..... | 1 | |
| | 5.00 p. m. | .626 | 69.1 | 53.1 | ..... | ..... | 43 | 0.42 | W. | 1 | Cirro-cumulus, cirro-stratus. | ..... | 1 | |
| | 6.00 p. m. | .631 | 66.7 | 53.0 | ..... | ..... | 45 | 0.47 | W. | 1 | Cirro-stratus | ..... | 1 | |
| | 7.00 p. m. | .642 | 62.0 | 51.9 | ..... | ..... | 45 | 0.56 | W. | 1 | .....do ..... | ..... | 1 | |
| | 8.00 p. m. | .667 | 52.5 | 46.4 | ..... | ..... | 39 | 0.62 | E. | 1 | Stratus ..... | ..... | 1 | |
| | 9.00 p. m. | .673 | 52.5 | 45.1 | ..... | ..... | 37 | 0.58 | E. | 1 | .....do ..... | ..... | 1 | |
| June 9 | 6.00 a. m. | .672 | 53.2 | 46.5 | ..... | 42.0 | 41 | 0.66 | S. | 1 | ..... | ..... | 0 | |
| | 7.00 a. m. | .682 | 59.1 | 49.6 | ..... | ..... | 44 | 0.60 | E. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .675 | 64.0 | 50.7 | ..... | ..... | 42 | 0.47 | N. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .669 | 69.0 | 53.8 | ..... | ..... | 45 | 0.45 | N. E. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .666 | 75.5 | 56.2 | ..... | ..... | 46 | 0.37 | S. | 1 | Cumulo-stratus ..... | ..... | 1 | |
| | 11.00 a. m. | .667 | 75.0 | 58.0 | ..... | ..... | 50 | 0.43 | N. W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .657 | 78.5 | 56.5 | ..... | ..... | 46 | 0.34 | S. W. | 3 | ..... | ..... | 0 | |
| | 1.00 p. m. | .638 | 79.8 | 57.1 | ..... | ..... | 46 | 0.32 | S. W. | 2 | ..... | ..... | 0 | |
| | 2.00 p. m. | .625 | 83.6 | 61.1 | ..... | ..... | 50 | 0.32 | S. | 3 | ..... | ..... | 0 | |
| | 3.00 p. m. | .609 | 82.3 | 57.9 | ..... | ..... | 46 | 0.31 | S. | 2 | ..... | ..... | 0 | |
| | 4.00 p. m. | .588 | 85.0 | 59.3 | ..... | ..... | 46 | 0.28 | S. | 2 | ..... | ..... | 0 | |
| | 5.00 p. m. | .550 | 85.5 | 59.5 | ..... | ..... | 47 | 0.28 | S. W. | 1 | ..... | ..... | 0 | |
| | 6.00 p. m. | .544 | 83.0 | 60.0 | ..... | ..... | 49 | 0.32 | S. W. | 1 | ..... | ..... | 0 | |
| | 7.00 p. m. | .530 | 72.8 | 55.7 | ..... | ..... | 48 | 0.43 | S. E. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .534 | 60.5 | 47.0 | ..... | ..... | 37 | 0.44 | S. E. | 1 | Cirro-stratus | ..... | 1 | |
| | 9.00 p. m | .524 | 58.9 | 46.8 | ..... | ..... | 39 | 0.50 | ..... | 0 | ..... | ..... | 0 | |
| June 10 | 6.00 a. m. | .487 | 55.7 | 47.8 | ..... | 50.2 | 42 | 0.63 | S. E. | 1 | ..... | ..... | 0 | |
| | 7.00 a. m. | .490 | 62.7 | 52.3 | ..... | ..... | 44 | 0.53 | S. E. | 0 | ..... | ..... | 0 | |

*Snake River Division, Camp 1, Ogden, Utah*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 10 | 8.00 a. m. | 25.488 | 68.7 | 55.1 | ..... | ..... | 47 | 0.47 | S. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .487 | 74.8 | 55.9 | ..... | ..... | 47 | 0.39 | N. | 2 | ..... | ..... | 0 | |
| | 10.00 a. m. | .484 | 81.7 | 58.1 | ..... | ..... | 46 | 0.31 | S. | 3 | Cumulus | ..... | 1 | |
| | 11.00 a. m. | .477 | 85.0 | 60.0 | ..... | ..... | 48 | 0.29 | S. W. | 2 | do | ..... | 1 | |
| | 12.00 m ... | .472 | 87.0 | 60.6 | ..... | ..... | 48 | 0.28 | S. W. | 2 | do | ..... | 1 | |
| | 1.00 p. m. | .467 | 88.4 | 58.0 | ..... | ..... | 43 | 0.22 | S. W. | 3 | do | ..... | 1 | |
| | 2.00 p. m. | .462 | 89.5 | 60.5 | ..... | ..... | 46 | 0.22 | S. W. | 3 | do | ..... | 1 | |
| | 3.00 p. m. | .445 | 90.1 | 60.6 | ..... | ..... | 46 | 0.22 | S. W. | 1 | Cumulo-stratus | ..... | 1 | |
| | 4.00 p. m. | .432 | 91.2 | 63.8 | ..... | ..... | ..... | ..... | S. W. | 2 | do | ..... | 2 | |
| | 5.00 p. m. | .416 | 89.4 | 62.6 | ..... | ..... | 50 | 0.28 | S. W. | 2 | do | ..... | 2 | |
| | 6.00 p. m. | .407 | 88.0 | 62.0 | ..... | ..... | 49 | 0.28 | S. | 1 | Cirro-cumulus, cumulo-stratus. | ..... | 2 | |
| | 7.00 p. m. | .398 | 79.4 | 60.1 | ..... | ..... | 51 | 0.39 | S. E. | 2 | Cirro-cumulus | ..... | 2 | |
| | 8.00 p. m. | .407 | 68.9 | 54.1 | ..... | ..... | 45 | 0.45 | S. E. | 1 | Stratus | ..... | 2 | |
| | 9.00 p. m. | .414 | 62.8 | 42.7 | ..... | ..... | 41 | 0.47 | S. E. | 2 | do | ..... | 2 | |
| June 11 | 7.00 a. m. | .484 | 70.8 | 57.3 | ..... | 55.2 | 50 | 0.50 | ..... | 0 | Cirro-cumulus | ..... | 2 | |
| | 8.00 a. m. | .500 | 73.0 | 56.6 | ..... | ..... | 49 | 0.45 | N. E. | 2 | Cirro-stratus | ..... | 1 | |
| | 9.00 a. m. | .502 | 79.4 | 59.6 | ..... | ..... | 51 | 0.39 | ..... | 0 | Cirro-cumulus | ..... | 2 | |
| | 10.00 a. m. | .510 | 78.7 | 59.7 | ..... | ..... | 51 | 0.39 | W. | 2 | do | ..... | 4 | |
| | 11.00 a. m. | .504 | 83.5 | 63.0 | ..... | ..... | 53 | 0.36 | ..... | ..... | Cirro-cumulus, cirrus | ..... | 7 | |
| | 12.00 m ... | .503 | 85.5 | 62.0 | ..... | ..... | 50 | 0.31 | ..... | ..... | do | ..... | 6 | |
| | 1.00 p. m. | .490 | 89.4 | 62.5 | ..... | ..... | 50 | 0.28 | ..... | ..... | Cumulus, cirrus | ..... | 2 | |
| | 2.00 p. m. | .478 | 94.0 | 64.5 | ..... | ..... | ..... | ..... | ..... | ..... | Cumulus | ..... | 2 | |
| | 3.00 p. m. | .470 | 90.2 | 60.0 | ..... | ..... | 44 | 0.21 | ..... | ..... | Cumulus, cirro-cumulus. | ..... | 2 | |
| | 4.00 p. m. | .459 | 92.0 | 64.0 | ..... | ..... | ..... | ..... | ..... | ..... | do | ..... | 2 | |
| | 5.00 p. m. | .447 | 92.7 | 65.2 | ..... | ..... | ..... | ..... | W. | 1 | Cumulo-stratus | ..... | 3 | |
| | 6.00 p. m. | .444 | 90.1 | 67.0 | ..... | ..... | 56 | 0.33 | S. W. | 1 | Cirro-stratus | ..... | 4 | |
| | 7.00 p. m. | .444 | 75.5 | 56.2 | ..... | ..... | 46 | 0.37 | S. W. | 1 | do | ..... | 4 | |
| | 8.00 p. m. | .462 | 69.5 | 54.0 | ..... | ..... | 46 | 0.45 | E. | 1 | do | ..... | 8 | |
| | 9.00 p. m. | .454 | 67.8 | 54.2 | ..... | ..... | 46 | 0.47 | ..... | 0 | Cirro-cumulus | ..... | 7 | |
| June 12 | 6.00 a. m. | .437 | 61.2 | 53.7 | ..... | ..... | 49 | 0.67 | S. E. | 2 | do | ..... | 4 | High wind during the night. |
| | 7.00 a. m. | .448 | 68.7 | 58.1 | ..... | ..... | 51 | 0.56 | S. E. | 1 | do | ..... | 4 | Very hazy in the N. W. |
| | 8.00 a. m. | .448 | 74.2 | 60.5 | ..... | ..... | 54 | 0.50 | S. | 1 | Cumulo-stratus | ..... | 3 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9.00 a. m. | .436 | 80.3 | 61.9 | ..... | ..... | 53 | 0.41 | S. | 3 | .....do ..... | ..... | 3 | |
| | 10.00 a. m. | .435 | 81.2 | 60.4 | ..... | ..... | 50 | 0.36 | S. S. E. | 4 | Cirro-cumulus ..... | ..... | 4 | |
| | 11.00 a. m. | .436 | 85.3 | 61.7 | ..... | ..... | 51 | 0.32 | S. | 3 | .....do ..... | ..... | 4 | |
| | 12.00 m ... | .437 | 79.3 | 59.3 | ..... | ..... | 49 | 0.37 | N. N. E. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 4 | |
| | 1.00 p. m. | .413 | 89.4 | 62.9 | ..... | ..... | 50 | 0.28 | S. S. E. | 4 | Cumulus, cirro-stratus | ..... | 3 | |
| | 2.00 p. m. | .405 | 87.5 | 62.8 | ..... | ..... | 51 | 0.30 | S. S. E. | 3 | Cirro-cumulus ..... | ..... | 3 | |
| | 7.00 p. m. | .410 | 70.2 | 57.4 | ..... | ..... | 51 | 0.52 | E. N. E. | 2 | .....do ..... | ..... | 6 | Few drops of rain at 6.20. |
| | 8.00 p. m. | .451 | 71.0 | 55.6 | ..... | ..... | 49 | 0.47 | S. S. E. | 4 | .....do ..... | ..... | 8 | Light shower at 6.40. |
| | 9.00 p. m. | .466 | 67.6 | 55.1 | ..... | ..... | 47 | 0.50 | S. | 4 | Stratus, cumulo-stratus | ..... | 8 | Faint lightning in S. |
| June 13 | 7.30 a. m. | .573 | 60.0 | 55.0 | ..... | 45.5 | 52 | 0.75 | ..... | 0 | Cirro-stratus, cirro-cumulus. | ..... | 1 | High wind and rain during the night. |
| | 8.00 a. m. | .579 | 60.5 | 55.5 | ..... | ..... | 53 | 0.75 | ..... | 0 | Cumulus, cirro-stratus | ..... | 1 | |
| | 11.00 a. m. | .574 | 68.7 | 57.2 | ..... | ..... | 50 | 0.53 | N. W. | 2 | Cumulus, cumulo-stratus. | ..... | 2 | |
| | 12.00 m ... | .568 | 73.6 | 58.1 | ..... | ..... | 50 | 0.45 | S. | 3 | .....do ..... | ..... | 2 | |
| | 1.00 p. m. | .558 | 79.5 | 57.7 | ..... | ..... | 47 | 0.34 | S. | 2 | .....do ..... | ..... | 1 | |
| | 2.00 p. m. | .557 | 76.2 | 54.5 | ..... | ..... | 45 | 0.35 | S. W. | 1 | Cumulo-stratus, cirro-stratus. | ..... | 1 | |
| | 3.00 p. m. | .527 | 74.5 | 54.4 | ..... | ..... | 44 | 0.35 | S. | 1 | .....do ..... | ..... | 1 | |
| | 4.00 p. m. | .516 | 74.0 | 56.0 | ..... | ..... | 47 | 0.41 | S. | 1 | .....do ..... | ..... | 1 | |
| | 5.00 p. m. | .492 | 73.0 | 56.1 | ..... | ..... | 48 | 0.43 | S. W. | 1 | .....do ..... | ..... | 2 | |
| | 6.00 p. m. | .494 | 70.3 | 56.1 | ..... | ..... | 49 | 0.50 | S. W. | 1 | Cirro-cumulus, cirro-stratus. | ..... | 3 | |
| | 7.00 p. m. | .486 | 63.9 | 54.3 | ..... | ..... | 47 | 0.56 | S. | 1 | Cirrus, cumulo-stratus | ..... | 2 | |
| | 8.00 p. m. | .484 | 54.3 | 47.7 | ..... | ..... | 42 | 0.67 | E. | 1 | Cirro-stratus ..... | ..... | 2 | |
| | 9.00 p. m. | .486 | 56.1 | 46.7 | ..... | ..... | 41 | 0.59 | ..... | 0 | Stratus ..... | ..... | 1 | |
| June 14 | 7.00 a. m. | .479 | 62.2 | 53.1 | ..... | 41.8 | 47 | 0.60 | E. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .488 | 66.8 | 54.6 | ..... | ..... | 48 | 0.52 | N. E. | 2 | Cumulo-stratus ..... | ..... | 1 | |
| | 9.00 a. m. | .479 | 69.3 | 54.9 | ..... | ..... | 47 | 0.47 | N. N. E. | 2 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .471 | 74.3 | 56.1 | ..... | ..... | 47 | 0.41 | S. S. W. | 2 | Cumulus, cumulo-stratus. | ..... | 2 | |
| | 11.00 a. m. | .463 | 76.8 | 57.7 | ..... | ..... | 49 | 0.39 | S. | 2 | Cirrus, cirro-cumulus | ..... | 2 | |
| | 12.00 m ... | .446 | 78.8 | 58.6 | ..... | ..... | 49 | 0.37 | S. | 2 | Cumulo-stratus ..... | ..... | 3 | |
| | 1.00 p. m. | .428 | 82.1 | 58.7 | ..... | ..... | 48 | 0.32 | S. | 1 | .....do ..... | ..... | 3 | |
| | 2.00 p. m | .406 | 79.7 | 58.8 | ..... | ..... | 49 | 0.35 | W. | 1 | .....do ..... | ..... | 3 | |
| | 3.00 p. m. | .377 | 80.0 | 58.3 | ..... | ..... | 47 | 0.34 | N. W. | 1 | .....do ..... | ..... | 2 | |
| | 4.00 p. m. | 351 | 82.0 | 59.4 | ..... | ..... | 48 | 0.32 | E. | 1 | Cirro-cumulus, cirro-stratus. | ..... | 5 | |
| | 5.00 p. m. | .342 | 77.2 | 58.1 | ..... | ..... | 49 | 0.39 | S. | 5 | Cirro-cumulus ..... | ..... | 3 | |
| | 6.00 p. m. | .313 | 75.2 | 58.1 | ..... | ..... | 50 | 0.43 | S. | 4 | Cirrus, cumulo-stratus | ..... | 3 | Wind in squalls. |
| | 7.00 p. m. | .302 | 68.6 | 56.4 | ..... | ..... | 48 | 0.50 | ..... | 0 | Cumulo-stratus, cirro-cumulus. | ..... | 8 | |
| | 8.00 p. m. | .289 | 66.0 | 53.5 | ..... | ..... | 47 | 0.53 | ..... | 0 | .....do ..... | ..... | 8 | |
| | 9.00 p. m. | .272 | 65.5 | 53.2 | ..... | ..... | 45 | 0.50 | ..... | 0 | Cirro-stratus ..... | ..... | 9 | Warm wind from S. |
| June 15 | 6.00 a. m. | .295 | 65.0 | 51.0 | ..... | 57.5 | 43 | 0.47 | S. W. | 2 | Cirro-cumulus ..... | ..... | 1 | |
| | 7.00 a. m. | .300 | 68.9 | 53.2 | ..... | ..... | 43 | 0.42 | S. S. W. | 2 | .....do ..... | ..... | 1 | |
| | 8.00 a. m. | .302 | 72.5 | 55.0 | ..... | ..... | 46 | 0.41 | S. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .301 | 75.5 | 56.5 | ..... | ..... | 48 | 0.39 | S. | 3 | ..... | ..... | 0 | |

*Snake River Division, Camp 1, Ogden, Utah*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 15 | 10.00 a. m. | 25.295 | 77.1 | 57.3 | ..... | ..... | 47 | 0.37 | S. | 3 | ..... | ..... | 0 | |
| | 11.00 a. m. | .293 | 78.8 | 59.9 | ..... | ..... | 51 | 0.39 | W. | 3 | Cirro-stratus | ..... | 1 | |
| | 12.00 m.. . | .285 | 80.3 | 60.3 | ..... | ..... | 50 | 0.37 | N. W | 3 | Cumulo-stratus | ..... | 1 | |
| | 1.00 p. m. | .289 | 82.1 | 57.9 | ..... | ..... | 46 | 0.31 | N. W. | 4 | .....do | ..... | 1 | |
| | 2.00 p. m. | .276 | 80.6 | 56.8 | ..... | ..... | 45 | 0.30 | ..... | 0 | .....do | ..... | 1 | |
| | 3.00 p. m. | .264 | 80.4 | 58.4 | ..... | ..... | 47 | 0.34 | W. | 1 | .....do | ..... | 1 | |
| | 4.00 p. m. | .254 | 81.2 | 56.6 | ..... | ..... | 45 | 0.30 | N. W. | 2 | Cirro-cumulus, cumulo-stratus. | ..... | 1 | |
| | 5.00 p. m. | .243 | 81.5 | 56.8 | ..... | ..... | 45 | 0.29 | N. W. | 1 | .....do | ..... | 6 | |
| | 6.00 p. m. | .229 | 75.7 | 56.5 | ..... | ..... | 48 | 0.39 | N. E. | 1 | .....do | ..... | 6 | |
| | 7.00 p. m. | .221 | 65.5 | 53.1 | ..... | ..... | 46 | 0.52 | S. | 3 | .....do | ..... | 5 | |
| | 8.00 p. m. | .195 | 75.5 | 48.8 | ..... | ..... | 36 | 0.26 | S. | 3 | Cirro-stratus | ..... | 3 | |
| | 9.00 p. m. | .208 | 74.4 | 48.5 | ..... | ..... | 37 | 0.28 | S. | 4 | .....do | ..... | 4 | Warm wind from S. |
| June 16 | 7.00 a. m. | .245 | 68.1 | 50.8 | ..... | ..... | 41 | 0.40 | S. | 4 | Cirrus, cirro-stratus | ..... | 6 | |
| | 8.00 a. m. | .253 | 72.2 | 51.3 | ..... | ..... | 41 | 0.35 | S. | 5 | .....do | ..... | 7 | |
| | 9.00 a. m. | .266 | 74.9 | 51.9 | ..... | ..... | 41 | 0.32 | S. | 6 | Cirro-stratus | ..... | 1 | |
| | 10.00 a. m. | .237 | 77.1 | 53.7 | ..... | ..... | 43 | 0.32 | S. | 6 | ..... | ..... | 0 | |
| | 11.00 a. m. | .233 | 79.4 | 55.1 | ..... | ..... | 43 | 0.29 | S. | 6 | Cirro-stratus | ..... | 1 | |
| | 12.00 m ... | .223 | 84.0 | 55.2 | ..... | ..... | 41 | 0.21 | S. | 5 | .....do | ..... | 1 | |
| | 1.00 p. m. | .212 | 81.4 | 55.3 | ..... | ..... | 42 | 0.27 | S. | 6 | .....do | ..... | 1 | |
| | 2.00 p. m. | .197 | 81.9 | 55.6 | ..... | ..... | 43 | 0.27 | S. | 5 | .....do | ..... | 1 | |
| | 3.00 p. m. | .182 | 80.8 | 54.6 | ..... | ..... | 42 | 0.27 | S. | 5 | .....do | ..... | 1 | |
| | 4.00 p. m. | .170 | 79.2 | 53.1 | ..... | ..... | 40 | 0.27 | S. | 5 | .....do | ..... | 1 | |
| | 5.00 p. m. | .158 | 77.5 | 52.3 | ..... | ..... | 39 | 0.27 | S. | 5 | .....do | ..... | 1 | |
| | 6.10 p. m. | .154 | 75.0 | 53.0 | ..... | ..... | 42 | 0.33 | S. | 3 | .....do | ..... | 1 | |
| | 7.00 p. m. | .159 | 69.0 | 50.3 | ..... | ..... | 39 | 0.36 | S. | 2 | .....do | ..... | 1 | |
| | 8.00 p. m. | .159 | 69.8 | 48.5 | ..... | ..... | 39 | 0.35 | S. | 2 | .....do | ..... | 1 | |
| | 9.00 p. m. | .162 | 62.3 | 44.9 | ..... | ..... | 33 | 0.37 | S. | 2 | Stratus | ..... | 1 | |
| June 17 | 7.00 a. m. | .098 | 63.1 | 50.4 | ..... | ..... | 41 | 0.47 | S. | 2 | Cirro-cumulus | ..... | 4 | |
| | 8.00 a. m. | .095 | 69.4 | 52.3 | ..... | ..... | 43 | 0.40 | S. | 2 | Cirro-cumulus, cirro-stratus. | ..... | 4 | |
| | 9.00 a. m. | .079 | 78.3 | 54.0 | ..... | ..... | 42 | 0.30 | S. | 3 | Cirro-cumulus | ..... | 2 | |
| | 10.00 a. m. | .062 | 75.0 | 51.9 | ..... | ..... | 41 | 0.32 | S. | 3 | .....do | ..... | 3 | |
| | 11.00 a. m. | .069 | 77.1 | 52.0 | ..... | ..... | 40 | 0.29 | S. | 6 | .....do | ..... | 5 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12.00 m.. | .075 | 72.8 | 50.5 | ..... | ..... | 40 | 0.33 | S. | 5 | .....do ..... | ..... | 3 | Wind in heavy squalls. |
| | 1.00 p. m. | .070 | 72.5 | 52.0 | ..... | ..... | 42 | 0.35 | W. | 4 | .....do ..... | ..... | 3 | |
| | 2.00 p. m. | .072 | 69.5 | 48.4 | ..... | ..... | 37 | 0.33 | W. | 4 | .....do ..... | ..... | 10 | |
| | 3.00 p. m. | .058 | 65.8 | 45.7 | ..... | ..... | 34 | 0.34 | S. | 6 | Cumulo-stratus..... | ..... | 10 | |
| | 4.00 p. m. | .060 | 63.8 | 46.8 | ..... | ..... | 35 | 0.37 | S. | 7 | Cirro-stratus ..... | ..... | 9 | |
| | 5.00 p. m. | .150 | 61.6 | 47.7 | ..... | ..... | 38 | 0.44 | S. | 7 | .....do ..... | ..... | 10 | |
| | 6.00 p. m. | .199 | 57.4 | 48.2 | ..... | ..... | 42 | 0.59 | S. | 6 | .....do ..... | ..... | 10 | |
| | 7.00 p. m. | .230 | 57.9 | 48.1 | ..... | ..... | 41 | 0.56 | S. | 4 | .....do ..... | ..... | 8 | |
| | 8.00 p. m. | .245 | 54.9 | 47.1 | ..... | ..... | 41 | 0.63 | S. | 5 | .....do ..... | ..... | 9 | Few drops of rain at 8.25. |
| | 9.00 p. m. | .289 | 55.1 | 46.2 | ..... | ..... | 40 | 0.59 | S. | 6 | Cumulo-stratus ..... | ..... | 10 | Constant shower till 9.30. |
| June 18 | 7.00 a. m. | .430 | 53.7 | 45.4 | ..... | ..... | 36 | 0.54 | S. | 2 | .....do ..... | ..... | 8 | |
| | 8.00 a. m. | .438 | 54.2 | 43.1 | ..... | ..... | 32 | 0.47 | W. N. W. | 3 | .....do ..... | ..... | 8 | |
| | 9.00 a. m. | .438 | 55.4 | 43.8 | ..... | ..... | 36 | 0.53 | W. | 3 | Cirro-cumulus ..... | ..... | 7 | |
| | 10.00 a. m. | .441 | 57.8 | 44.5 | ..... | ..... | 36 | 0.47 | W. | 2 | Cumulus, cumulo-stratus. | ..... | 7 | |
| | 11.00 a. m. | .454 | 60.5 | 45.0 | ..... | ..... | 34 | 0.39 | W. | 3 | .....do ..... | ..... | 7 | |
| | 12.00 m ... | .463 | 59.7 | 45.2 | ..... | ..... | 35 | 0.42 | W. S. W. | 3 | Cumulus, cirro-cumulus | ..... | 7 | |
| | 1.00 p. m. | .466 | 59.6 | 44.3 | ..... | ..... | 33 | 0.39 | W. S. W. | 3 | .....do ..... | ..... | 9 | |
| | 2.00 p. m. | .485 | 58.9 | 45.3 | ..... | ..... | 35 | 0.44 | W. N. W. | 2 | .....do ..... | ..... | 9 | |
| | 3.00 p. m. | .507 | 58.1 | 45.9 | ..... | ..... | 38 | 0.50 | N. N. W. | 3 | Cumulus, cirro-stratus | ..... | 9 | Light shower at 2.30. |
| | 4.00 p. m. | .522 | 57.6 | 46.8 | ..... | ..... | 39 | 0.53 | N. W. | 2 | Cumulo-stratus, cirro-stratus. | ..... | 9 | |
| | 5.00 p. m. | .533 | 55.2 | 45.0 | ..... | ..... | 38 | 0.56 | E. | 1 | .....do ..... | ..... | 9 | |
| | 6.00 p. m. | .538 | 62.8 | 50.8 | ..... | ..... | 43 | 0.50 | S. | 1 | Cumulus, cirro-stratus | ..... | 6 | |
| | 7.00 p. m. | .550 | 57.8 | 47.2 | ..... | ..... | 39 | 0.53 | N. | 1 | .....do ..... | ..... | 6 | |
| | 8.00 p. m. | .575 | 48.1 | 42.3 | ..... | ..... | 35 | 0.65 | S. E. | 2 | .....do ..... | ..... | 2 | |
| | 9.00 p. m. | .573 | 45.2 | 39.9 | ..... | ..... | 35 | 0.69 | S. E. | 2 | Stratus ..... | ..... | 1 | |
| June 19 | 7.00 a. m. | .638 | 54.6 | 45.5 | ..... | ..... | 40 | 0.59 | N. | | Cirro-cumulus..... | ..... | 8 | |
| | 9.00 a. m. | .658 | 61.3 | 49.2 | ..... | ..... | 41 | 0.50 | S. S. E. | 3 | .....do ..... | ..... | 8 | |
| | 10.00 a. m. | .660 | 61.6 | 48.2 | ..... | ..... | 38 | 0.44 | S. W. | 2 | Cumulus, cirro-cumulus | ..... | 8 | |
| | 11.00 a. m. | .661 | 63.9 | 48.6 | ..... | ..... | 39 | 0.42 | S. W. | 2 | Cumulus..... | ..... | 8 | |
| | 12.00 m ... | .665 | 66.5 | 49.0 | ..... | ..... | 38 | 0.38 | W. | 2 | Cumulus, cirro-cumulus | ..... | 6 | |
| | 2.00 p. m. | .665 | 72.1 | 52.3 | ..... | ..... | 42 | 0.37 | W. | 2 | Cirro-cumulus ..... | ..... | 6 | |
| | 3.00 p. m. | .661 | 69.1 | 51.9 | ..... | ..... | 42 | 0.40 | S. W. | 2 | .....do ..... | ..... | 4 | |
| | 4.00 p. m. | .657 | 67.8 | 50.3 | ..... | ..... | 39 | 0.38 | S. W. | 2 | Cumulo-stratus ..... | ..... | 2 | |
| | 5.00 p. m. | .655 | 66.0 | 49.4 | ..... | ..... | 39 | 0.40 | S. | 2 | .....do ..... | ..... | 1 | |
| | 6.00 p. m. | .651 | 63.9 | 48.6 | ..... | ..... | 39 | 0.42 | S. | 1 | .....do ..... | ..... | 1 | |
| | 7.00 p. m. | .656 | 58.6 | 45.8 | ..... | ..... | 37 | 0.47 | S. | 2 | .....do ..... | ..... | 1 | |
| | 8.00 p. m. | .661 | 51.8 | 41.7 | ..... | ..... | 32 | 0.50 | S. | 1 | Stratus..... | ..... | 1 | |
| | 9.00 p. m. | .660 | 53.3 | 41.2 | ..... | ..... | 29 | 0.43 | S. | 0 | ..... | ..... | 0 | |
| June 20 | 7.00 a. m. | .744 | 56.6 | 46.8 | ..... | ..... | 40 | 0.56 | S. S. W. | 1 | Cumulus..... | ..... | 0 | |
| | 2.00 p. m. | .731 | 76.9 | 54.2 | ..... | ..... | 43 | 0.32 | N. W. | 2 | Cumulo-stratus ..... | ..... | 1 | |
| | 3.00 p. m. | .730 | 76.2 | 52.6 | ..... | ..... | 42 | 0.32 | N. W. | 2 | Cumulo-stratus ..... | ..... | 1 | |
| | 4.00 p. m. | .720 | 74.9 | 52.9 | ..... | ..... | 42 | 0.33 | N. | 2 | .....do ..... | ..... | 1 | |
| | 5.00 p. m. | .704 | 74.8 | 53.4 | ..... | ..... | 42 | 0.33 | N. W. | 2 | .....do ..... | ..... | 1 | |
| | 6.00 p. m. | .694 | 72.0 | 53.4 | ..... | ..... | 44 | 0.39 | N. | 1 | .....do ..... | ..... | 1 | |
| | 7.00 p. m. | .698 | 61.3 | 52.6 | ..... | ..... | 46 | 0.60 | N. | 1 | .....do ..... | ..... | 1 | |
| | 8.00 p. m. | .711 | 55.8 | 45.1 | ..... | ..... | 37 | 0.53 | E. | 2 | ..... | ..... | 0 | |
| | 9.00 p. m. | .712 | 55.9 | 40.2 | ..... | ..... | 29 | 0.39 | E. | 1 | Stratus ..... | ..... | 1 | |

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 21 | 7.00 a. m. | 25.770 | 55.4 | 44.6 | ..... | ..... | 29 | 0.39 | E. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .776 | 60.6 | 49.0 | ..... | ..... | 41 | 0.50 | S. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .779 | 63.6 | 57.3 | ..... | ..... | 53 | 0.71 | S. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .781 | 71.7 | 57.4 | ..... | ..... | 50 | 0.50 | S. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .783 | 76.9 | 54.9 | ..... | ..... | 44 | 0.33 | N. E. | 3 | ..... | ..... | 0 | |
| | 12.00 m ... | .775 | 81.2 | 57.3 | ..... | ..... | 45 | 0.30 | N. W. | 3 | Cumulus | ..... | 1 | |
| | 1.00 p. m. | .768 | 80.6 | 54.8 | ..... | ..... | 42 | 0.27 | N. W. | 2 | .....do | ..... | 1 | |
| | 2.00 p. m. | .761 | 81.4 | 56.7 | ..... | ..... | 45 | 0.30 | N. W. | 2 | .....do | ..... | 1 | |
| | 3.00 p. m. | .748 | 81.1 | 56.4 | ..... | ..... | 44 | 0.29 | N. W. | 3 | .....do | ..... | 1 | |
| | 5.00 p. m. | .719 | 77.3 | 57.2 | ..... | ..... | 47 | 0.37 | N. | 1 | Cirro-stratus | ..... | 1 | |
| | 6.00 p. m. | .716 | 80.1 | 55.9 | ..... | ..... | 44 | 0.30 | N. W. | 1 | Cirrus, cirro-stratus | ..... | 1 | |
| | 7.00 p. m. | .698 | 68.3 | 53.9 | ..... | ..... | 46 | 0.47 | E. | 1 | .....do | ..... | 2 | |
| | 9.00 p. m. | .706 | 56.1 | 44.6 | ..... | ..... | 37 | 0.53 | E. | 1 | Stratus | ..... | 1 | |
| June 22 | 7.00 a. m. | .687 | 59.8 | 50.3 | ..... | ..... | 43 | 0.56 | S. | 1 | ..... | ..... | 0 | |
| | 8.00 a. m. | .686 | 63.6 | 53.0 | ..... | ..... | 45 | 0.53 | S. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .676 | 69.1 | 55.8 | ..... | ..... | 48 | 0.50 | S. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .664 | 72.6 | .... | ..... | ..... | ..... | ..... | ..... | 0 | ..... | ..... | 0 | |
| | 11.00 a. m. | .655 | 81.8 | 60.8 | ..... | ..... | 50 | 0.36 | N. E. | 2 | ..... | ..... | 0 | |
| June 23 | 8.00 a. m. | .501 | 74.8 | 59.0 | ..... | ..... | 51 | 0.45 | S. E. | 1 | Cirro-cumulus | ..... | 4 | |
| | 9.00 a. m. | .502 | 81.1 | 58.1 | ..... | ..... | 47 | 0.32 | S. | 3 | Cirrus, cirro-stratus | ..... | 4 | |
| | 10.00 a. m. | .518 | 84.1 | 61.1 | ..... | ..... | 50 | 0.32 | S. | 3 | Cirro-cumulus | ..... | 4 | |
| | 11.00 a. m. | .509 | 85.6 | 60.6 | ..... | ..... | 49 | 0.29 | S. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 5 | |
| | 12.00 m ... | .497 | 88.9 | 61.4 | ..... | ..... | 47 | 0.25 | S. | 2 | Cirrus, cirro-stratus | ..... | 3 | |
| | 1.00 p. m. | .478 | 90.7 | 61.9 | ..... | ..... | 45 | 0.23 | W. | 3 | Cirrus, cumulo-stratus | ..... | 3 | |
| | 2.00 p. m. | .458 | 90.4 | 59.2 | ..... | ..... | 45 | 0.21 | S. W. | 3 | .....do | ..... | 3 | |
| | 4.00 p. m. | .431 | 89.6 | 58.6 | ..... | ..... | 45 | 0.21 | S. S. W. | 3 | .....do | ..... | 4 | |
| | 5.00 p. m. | .411 | 89.9 | 58.9 | ..... | ..... | 45 | 0.21 | S. | 2 | Cirro-stratus | ..... | 4 | |
| | 6.00 p. m. | .395 | 87.1 | 59.9 | ..... | ..... | 47 | 0.26 | S. | 1 | .....do | ..... | 3 | |
| | 7.00 p. m. | .389 | 73.1 | 57.2 | ..... | ..... | 49 | 0.45 | S. | 1 | .....do | ..... | 3 | |

*Camp 2, water-tank Central Pacific Railroad.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| June 24 | 6.00 p. m. | 25.662 | 62.6 | 59.2 | ..... | ..... | 56 | 0.80 | N. W. | 1 | Cirro-stratus, cirro-cumulus. | ..... | 5 | Elevation, 4,255 feet. |
| | 7.00 p. m. | .657 | 60.1 | 58.0 | ..... | ..... | 57 | 0.89 | N. W. | 1 | Cirrus, cirro-stratus... | ..... | 5 | |

*Camp 3, Bear River, near Brigham City.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| June 26 | 6.00 a. m. | 25.751 | 48.3 | 45.2 | ..... | ..... | 42 | 0.81 | N. | 2 | Cirro-stratus..... | ..... | 1 | Elevation, 4,249 feet. |
| | 7.00 a. m. | .754 | 58.2 | 53.1 | ..... | ..... | 50 | 0.75 | N. | 1 | Cirrus, cirro-stratus... | ..... | 3 | |

*Camp 4, near Mound Spring.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| June 26 | 5.00 p. m. | 25.556 | 77.3 | 55.9 | ..... | ..... | 46 | 0.35 | W.S.W. | 1 | Cirrus, cirro-stratus... | ..... | 9 | Elevation, 4,429 feet. |
| | 6.00 p. m. | .524 | 73.6 | 62.3 | ..... | ..... | 56 | 0.55 | W. | 1 | .....do ..... | ..... | 8 | |
| | 7.00 p. m. | .524 | 67.2 | 57.6 | ..... | ..... | 53 | 0.62 | W. | 1 | Cirrus, cirro-cumulus . | ..... | 4 | |
| | 8.00 p. m. | .524 | 59.2 | 51.7 | ..... | ..... | 47 | 0.67 | N. W. | 1 | Cirro-cumulus, cirro-stratus. | ..... | 5 | |
| June 27 | 6.00 a. m. | .546 | 47.0 | 43.3 | ..... | ..... | 39 | 0.75 | S. W. | 1 | Cirro-stratus, cirro-cumulus. | ..... | 3 | |

*Camp 5, Keeney's Station.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| June 27 | 5.00 p. m. | 24.974 | 74.5 | 58.0 | ..... | ..... | 50 | 0.43 | W. | 1 | Cirrus, cirro-stratus... | ..... | 3 | Elevation, 4,933 feet. |
| | 6.00 p. m. | .964 | 72.1 | 58.8 | ..... | ..... | 53 | 0.52 | W. | 1 | .....do ..... | ..... | 3 | |
| | 7.00 p. m. | .979 | 59.3 | 51.2 | ..... | ..... | 45 | 0.63 | N. N. E. | 2 | Cumulus, cirro-stratus. | ..... | 4 | |
| | 8.00 p. m. | .995 | 53.8 | 46.8 | ..... | ..... | 40 | 0.62 | N. | 2 | Cirrus, cirro-stratus... | ..... | 4 | |
| | 9.00 p. m. | 25.003 | 53.0 | 45.0 | ..... | ..... | 37 | 0.58 | N. | 3 | Cirro-stratus..... | ..... | 3 | |
| June 28 | 6.00 a. m. | .021 | 49.6 | 45.4 | ..... | ..... | 42 | 0.76 | N. E. | 1 | Cirrus, cirro-stratus... | ..... | 1 | |
| | 7.00 a. m. | .017 | 53.2 | 49.5 | ..... | ..... | 47 | 0.82 | N. E. | 1 | .....do ..... | ..... | 2 | |
| | 8.00 a. m. | .015 | 59.8 | 52.0 | ..... | ..... | 46 | 0.63 | ..... | 0 | .....do ..... | ..... | 1 | |
| | 9.00 a. m. | .007 | 68.2 | 54.6 | ..... | ..... | 47 | 0.50 | S. S. W. | 1 | .....do ..... | ..... | 1 | |
| | 10.00 a. m. | .002 | 73.4 | 55.8 | ..... | ..... | 47 | 0.41 | S. S. W. | 1 | .....do ..... | ..... | 1 | |
| | 11.00 a. m. | 24.986 | 76.6 | 57.0 | ..... | ..... | 47 | 0.37 | S. | 1 | .....do ..... | ..... | 1 | |
| | 12.00 m ... | .973 | 80.2 | 56.0 | ..... | ..... | 44 | 0.30 | S. | 3 | Cumulus, cumulo-stratus. | ..... | 1 | |
| | 1.00 p. m. | .942 | 82.0 | 56.2 | ..... | ..... | 43 | 0.27 | S. E. | 4 | .....do ..... | ..... | 2 | |
| | 2.00 p. m | .927 | 83.0 | 57.1 | ..... | ..... | 44 | 0.28 | S. W. | 4 | .....do ..... | ..... | 3 | |
| | 7.00 p. m. | .866 | 66.3 | 57.0 | ..... | ..... | 52 | 0.62 | W. | 1 | Cirrus, cirro-stratus... | ..... | 4 | |
| | 8.00 p. m. | .877 | 56.9 | 53.7 | ..... | ..... | 52 | 0.84 | N. N. E. | 1 | Cirro-stratus..... | ..... | 2 | |
| | 9.00 p. m. | .871 | 53.8 | 44.0 | ..... | ..... | 34 | 0.50 | N. | 2 | Stratus, cirro-cumulus. | ..... | 4 | |

*Snake River Division, Camp 6, Carpenter's Station.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| June 29 | 3.00 p. m. | 25.177 | 73.5 | 59.5 | ..... | ..... | 53 | 0.50 | N. | 1 | Nimbus, cumulo-stratus | ..... | 2 | Elevation, 4,666 feet. |
| | 4.00 p. m. | .165 | 61.5 | 50.5 | ..... | ..... | 43 | 0.53 | N. | 1 | .....do ..... | ..... | 8 | Few drops of rain at 3.50. |
| | 5.00 p. m. | .137 | 68.0 | 52.9 | ..... | ..... | 44 | 0.45 | N. N. W. | 3 | Cirro-cumulus, cirro-stratus. | ..... | 8 | Light shower at 4.30. |
| | 6.00 p. m. | .130 | 65.1 | 50.6 | ..... | ..... | 43 | 0.47 | N. | 2 | .....do ..... | ..... | 9 | |
| | 7.00 p. m. | .146 | 62.0 | 49.4 | ..... | ..... | 40 | 0.47 | N. N. W. | 5 | Cirro-cumulus ..... | ..... | 9 | |
| | 8.00 p. m. | .198 | 57.8 | 52.5 | ..... | ..... | 50 | 0.75 | N. | 2 | Nimbus, cumulus ..... | ..... | 8 | Cold, drizzling rain, 8.45, and continued all night. |
| June 30 | 7.00 a. m. | .204 | 46.2 | ..... | ..... | ..... | ..... | ..... | N. | 1 | Cirro-stratus ..... | ..... | 10 | Raining heavily. |
| | 8.00 a. m. | .209 | 45.9 | ..... | ..... | ..... | ..... | ..... | N. | 1 | .....do ..... | ..... | 10 | Light fall of snow on the higher peaks. |
| | 9.00 a. m. | .205 | 47.8 | ..... | ..... | ..... | ..... | ..... | N. N. E. | 2 | .....do ..... | ..... | 10 | |
| | 10.00 a. m. | .205 | 49.6 | ..... | ..... | ..... | ..... | ..... | N. N. E. | 3 | .....do ..... | ..... | 10 | |
| | 11.00 a. m. | .213 | 48.1 | ..... | ..... | ..... | ..... | ..... | N. N. E. | 4 | .....do ..... | ..... | 10 | |
| | 12.00 m ... | .214 | 49.3 | 45.4 | ..... | ..... | 41 | 0.75 | N. N. E. | 2 | .....do ..... | ..... | 10 | Light shower. |
| | 1.00 p. m. | .221 | 49.1 | 46.4 | ..... | ..... | 43 | 0.81 | N. N. E. | 1 | .....do ..... | ..... | 10 | |
| | 2.00 p. m. | .224 | 49.2 | 48.0 | ..... | ..... | 47 | 0.93 | N. N. E. | 1 | .....do ..... | ..... | 10 | |
| | 3.00 p. m. | .227 | 47.4 | 44.6 | ..... | ..... | 41 | 0.80 | S. E. | 1 | .....do ..... | ..... | 10 | Few drops of rain. |
| | 4.00 p. m. | .230 | 47.2 | 44.9 | ..... | ..... | 43 | 0.87 | S. E. | 3 | .....do ..... | ..... | 10 | |
| | 5.00 p. m. | .235 | 47.1 | 45.0 | ..... | ..... | 43 | 0.87 | N. E. | 2 | Cirro-stratus, cirro-cumulus. | ..... | 10 | Heavy nimbus clouds in N. |
| | 6.00 p. m. | .247 | 47.1 | 43.5 | ..... | ..... | 39 | 0.75 | N. E. | 3 | .....do ..... | ..... | 10 | Light shower at 5.55. |
| | 7.00 p. m. | .268 | 46.8 | 42.1 | ..... | ..... | 37 | 0.70 | N. E. | 1 | .....do ..... | ..... | 10 | |
| | 8.00 p. m. | .289 | 45.2 | 41.9 | ..... | ..... | 39 | 0.81 | N. | 3 | Cirro-stratus ..... | ..... | 10 | Few drops of rain. |
| | 9.00 p. m. | .290 | 41.9 | ..... | ..... | ..... | ..... | ..... | N. | 3 | .....do ..... | ..... | 10 | |
| July 1 | 8.00 a. m. | .349 | 42.8 | 41.0 | ..... | ..... | 39 | 0.86 | S. W. | 1 | Nimbus, cumulo-stratus | ..... | 9 | Light rain. |
| | 9.00 a. m. | .342 | 45.0 | 43.0 | ..... | ..... | 41 | 0.86 | S. W. | 1 | .....do ..... | ..... | 9 | |
| | 10.00 a. m. | .362 | 47.0 | 44.0 | ..... | ..... | 41 | 0.80 | N. W. | 1 | .....do ..... | ..... | 9 | |

*Camp 7, Port Neuf River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 1 | 8.00 p. m. | 25.439 | 46.0 | 45.0 | ..... | ..... | 44 | 0.93 | S. W. | 1 | Cumulus, cumulo-stratus. | ..... | 9 | Elevation, 4,626 feet. |

*Camp 8, Pocatillo Station.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 3 | 5.00 a. m. | 25.629 | 49.0 | ..... | ..... | ..... | ..... | ..... | S. E. | 1 | Cumulus, cumulo-stratus | ..... | 6 | Elevation, 4,512 feet. |

*Camp 10, Higham's Ranch.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 12 | 2.00 p. m. | 25.417 | 94.0 | 65.0 | ..... | ..... | ..... | ..... | S. | 1 | Cumulus, cirro-stratus. | ..... | 6 | Elevation, 4,601 feet. |
| | | 3.00 p. m. | .436 | 94.0 | 63.0 | ..... | ..... | ..... | ..... | S. S. W. | 1 | Cumulus, cirrus. | ..... | 5 | Very sultry. |
| | | 4.00 p. m. | .376 | 90.0 | 64.0 | ..... | ..... | 51.0 | 0.28 | S. S. W. | 1 | .....do | ..... | 4 | |
| | | 5.00 p. m. | .379 | 86.3 | 63.5 | ..... | ..... | 53.0 | 0.34 | S. | 1 | Cumulus, nimbus | ..... | 5 | Slight indication of rain. |
| | | 6.00 p. m. | .422 | 82.5 | 61.7 | ..... | ..... | 51.5 | 0.35 | E. N. E. | 1 | .....do | ..... | 5 | |
| | | 7.00 p. m. | .381 | 78.9 | 61.3 | ..... | ..... | 52.0 | 0.41 | N. | 1 | Nimbus, cumulus, cirrus. | ..... | 4 | Nimbus passing S. |
| | | 8.00 p. m. | .400 | 78.0 | 59.8 | ..... | ..... | 51.0 | 0.40 | E. | 2 | .....do | ..... | 4 | |
| | | 9.00 p. m. | .402 | 76.4 | 56.8 | 95.0 | ..... | 47.5 | 0.38 | S. | 2 | .....do | ..... | 6 | |

*Camp 11, Sand Creek.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 13 | 2.30 p. m. | 25.264 | 90.8 | 63.6 | ..... | 47.0 | ..... | ..... | S. | 1 | Cumulus | ..... | 3 | Shower in W.; elevation, 4,716 feet. |
| | | 3.00 p. m. | .254 | 90.9 | 64.0 | ..... | ..... | ..... | ..... | S. S. E. | 1 | Nimbus, cumulus | ..... | 4 | Showers in W., W.N.W., and S. S. W. |
| | | 4.00 p. m. | .326 | 73.0 | 61.5 | ..... | ..... | 56.5 | 0.58 | S. E. | 2 | Nimbus | ..... | 9 | Rained 20 minutes, 1-16 inch. |
| | | 5.00 p. m. | .263 | 83.5 | 68.0 | ..... | ..... | 60.0 | 0.45 | E. | 1 | Cumulus, nimbus | ..... | 5 | |
| | | 6.00 p. m. | .261 | 79.0 | 62.1 | ..... | ..... | 53.5 | 0.43 | S. E. | 1 | Cumulus, cumulo-stratus. | ..... | 4 | |
| | | 7.00 p. m. | .281 | 75.0 | 61.0 | ..... | ..... | 54.0 | 0.50 | S. S. E. | 3 | .....do | ..... | 3 | |
| | | 8.00 p. m. | .279 | 70.8 | 60.5 | ..... | ..... | 56.0 | 0.60 | S. E. | 1 | Cirrus, cumulus | ..... | 7 | |
| | | 9.00 p. m. | .252 | 71.0 | 59.0 | 92.0 | ..... | 53.0 | 0.55 | S. E. | 2 | Cumulus | ..... | 6 | |
| July | 14 | 5.00 a. m. | .207 | 65.0 | 55.1 | ..... | 46.0 | 49.0 | 0.58 | S. W. | 2 | Cumulus, cirrus | ..... | 3 | Cool and pleasant. |

*Camp 12, Snake River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 14 | 2.00 p. m. | 25.113 | 85.7 | 60.4 | ..... | ..... | 47.0 | 0.27 | S. W. | 3 | Cumulus | ..... | 1 | Elevation, 4,830 feet. |
| | | 3.00 p. m. | .120 | 85.1 | 57.4 | ..... | ..... | 43.0 | 0.25 | W. | 3 | .....do | ..... | ½ | |
| | | 4.00 p. m. | .072 | 83.4 | 56.1 | ..... | ..... | 42.5 | 0.26 | W. | 3 | .....do | ..... | ½ | Wind in squalls, 4. |
| | | 5.00 p. m. | .068 | 82.2 | 54.9 | ..... | ..... | 41.5 | 0.26 | W. | 3 | .....do | ..... | ½ | |
| | | 6.00 p. m. | .104 | 74.5 | 56.5 | ..... | ..... | 48.0 | 0.40 | W. | 4 | .....do | ..... | ½ | |
| | | 7.00 p. m. | .110 | 70.5 | 54.4 | ..... | ..... | 45.5 | 0.42 | N. W. | 3 | .....do | ..... | 1 | |
| | | 8.00 p. m. | .180 | 66.2 | 49.5 | ..... | ..... | 40.4 | 0.41 | W. | 3 | ..... | ..... | 0 | |
| | | 9.00 p. m. | .225 | 64.5 | 48.0 | 87.0 | ..... | 37.8 | 0.39 | W. | 4 | ..... | ..... | 0 | |

## *Snake River Division, Camp 13, Market Lake.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| July 15 | 2.00 p. m. | 25.159 | 81.4 | 53.6 | ..... | 43.0 | 40.5 | 0.26 | E. | 1 | ..... | ..... | 0 | Elevation, 4,846 feet. |
| | 3.00 p. m. | .113 | 81.5 | 53.5 | ..... | ..... | 40.0 | 0.25 | S. E. | 2 | ..... | ..... | 0 | Hazy and dusty. |
| | 4.00 p. m. | .096 | 82.0 | 51.9 | ..... | ..... | 38.0 | 0.21 | S. W. | 2 | ..... | ..... | 0 | |
| | 5.00 p. m. | .080 | 77.4 | 51.0 | ..... | ..... | 38.0 | 0.27 | S. | 3 | Cumulus | ..... | 1 | |
| | 6.00 p. m. | .062 | 74.0 | 50.8 | ..... | ..... | 39.5 | 0.31 | S. | 3 | .....do | ..... | 1 | |
| | 7.00 p. m. | .064 | 68.0 | 49.0 | ..... | ..... | 37.6 | 0.35 | S. | 1 | .....do | ..... | ½ | |
| | 8.00 p. m. | .071 | 57.8 | 45.0 | ..... | ..... | 35.9 | 0.46 | S. | 1 | .....do | ..... | 1 | |
| | 9.00 p. m. | .071 | 55.0 | 44.0 | ..... | ..... | 36.3 | 0.52 | S. | 1 | Stratus | ..... | ½ | |
| July 16 | 5.00 a. m. | ..... | 47.0 | 39.0 | ..... | 36.5 | 30.2 | 0.55 | ..... | 0 | Cumulus | ..... | 1 | |

## *Camp 14, Crater Buttes.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 16 | 1.00 p. m. | 25.150 | 74.0 | 56.4 | ..... | ..... | 47.0 | 0.40 | W. | 2 | .....do | N. E. | 4 | Elevation, 4,843 feet. |
| | 2.00 p. m. | .149 | 73.8 | 53.0 | ..... | ..... | 42.5 | 0.34 | W. | 3 | .....do | ..... | 4 | |
| | 3.00 p. m. | .185 | 75.0 | 54.5 | ..... | ..... | 45.0 | 0.36 | W. | 3 | .....do | ..... | 1 | |
| | 4.00 p. m. | .185 | 74.0 | 52.0 | ..... | ..... | 41.0 | 0.33 | N. W. | 3 | ..... | ..... | 0 | |
| | 5.00 p. m. | .185 | 70.0 | 51.0 | ..... | ..... | 41.5 | 0.38 | N. E. | 3 | ..... | ..... | 0 | |
| | 6.00 p. m. | .197 | 67.0 | 49.5 | ..... | ..... | 39.8 | 0.39 | N. N. W. | 3 | ..... | ..... | 0 | |
| | 7.00 p. m. | .210 | 61.0 | 48.0 | ..... | ..... | 38.9 | 0.47 | N. | 2 | ..... | ..... | 0 | |
| | 9.00 p. m. | .225 | 53.0 | 45.0 | ..... | ..... | 37.0 | 0.57 | W. | 2 | ..... | ..... | 0 | |

## *Camp 15, Eagle-Nest Ford.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 17 | 2.00 p. m. | 25.151 | 74.0 | 57.0 | ..... | ..... | 48.5 | 0.43 | S. S. W. | ½ | Cumulus | N. W. | 6 | Elevation, 4,951 feet. |
| | 3.00 p. m. | .141 | 71.7 | 56.0 | ..... | ..... | 48.0 | 0.45 | S. W. | ½ | Cumulo-cirrus | ..... | 4 | |
| | 4.00 p. m. | .132 | 66.0 | 55.0 | ..... | ..... | 48.4 | 0.55 | ..... | 0 | .....do | N. W. | 4 | |
| | 5.00 p. m. | .124 | 68.0 | 51.0 | ..... | ..... | 40.8 | 0.40 | E. | 2 | .....do | ..... | 1 | |
| | 6.00 p. m. | .126 | 65.0 | 50.0 | ..... | ..... | 41.0 | 0.44 | E. | 2 | .....do | N. W. | ½ | |
| | 7.00 p. m. | .135 | 59.5 | 49.9 | 80.1 | ..... | 43.0 | 0.56 | N. E. | 1 | Cumulo-stratus | ..... | ½ | |
| July 18 | 8.00 a. m. | .189 | 63.0 | 52.3 | ..... | 34.0 | 44.3 | 0.53 | E. N. E. | 1 | ..... | ..... | 0 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9.00 a. m. | .197 | 67.0 | 57.1 | ..... | ..... | 51.0 | 0.59 | ..... | 0 | ..... | ..... | 0 | |
| | 10.00 a. m. | .196 | 75.0 | 56.8 | ..... | ..... | 48.0 | 0.41 | N. E. | ½ | ..... | ..... | 0 | |
| | 11.00 a. m. | .173 | 69.8 | 54.5 | ..... | ..... | 49.0 | 0.49 | ..... | 0 | Cumulus..... | 0 | ½ | |
| | 12.00 m .... | .171 | 73.0 | 52.8 | ..... | ..... | 43.0 | 0.37 | ..... | 0 | .....do ..... | ..... | ½ | |
| | 1.00 p. m. | .150 | 75.6 | 54.9 | ..... | ..... | 44.5 | 0.35 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .129 | 74.3 | 55.0 | ..... | ..... | 45.5 | 0.38 | S. S. W. | 1 | ..... | ..... | 0 | |
| | 3.00 p. m. | .125 | 73.0 | 56.0 | ..... | ..... | 47.5 | 0.43 | ..... | 0 | Cumulus..... | ..... | 1 | |
| | 4.00 p. m. | .122 | 72.0 | 57.0 | ..... | ..... | 49.5 | 0.47 | ..... | 0 | .....do ..... | ..... | ½ | |
| | 5.00 p. m. | .091 | 70.1 | 55.5 | ..... | ..... | 49.0 | 0.49 | N. E. | 1 | .....do ..... | ..... | ½ | |
| | 6.00 p. m. | .092 | 72.0 | 52.5 | ..... | ..... | 43.5 | 0.39 | N. E. | 2 | Cumulo-cirrus ..... | 0 | ½ | |
| | 7.00 p. m. | .092 | 67.5 | 53.0 | ..... | ..... | 44.0 | 0.44 | N. E. | 1 | Cumulo-stratus, cumulus. | ..... | ½ | |
| | 8.00 p. m. | .105 | 58.5 | 50.4 | ..... | ..... | 43.7 | 0.60 | N. E. | 1 | Cumulo-stratus ..... | ..... | ½ | |
| | 9.00 p. m. | .103 | 52.3 | 48.0 | 81.3 | ..... | 54.0 | 0.76 | N. E. | 1 | ..... | ..... | 0 | |
| July 19 | 5.00 a. m. | .090 | 51.1 | 41.0 | ..... | 35.0 | 31.0 | 0.50 | E. | 1 | ..... | ..... | 0 | |

*Camp 16, Fall River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 19 | 2.00 p. m. | 24.848 | 75.0 | 60.5 | ..... | ..... | 54.0 | 0.50 | N. E. | 1 | Cumulus..... | 0 | 3 | Elevation, 5,126 feet. |
| | 3.00 p. m. | .869 | 67.5 | 61.5 | ..... | ..... | 58.4 | 0.73 | N. | 1 | Nimbus, cumulus..... | E. | 3 | |
| | 4.00 p. m. | .878 | 68.0 | 60.0 | ..... | ..... | 55.2 | 0.65 | ..... | 0 | .....do ..... | ..... | 4 | Slight rain. |
| | 5.00 p. m. | .854 | 68.0 | 57.0 | ..... | ..... | 54.0 | 0.56 | N. W. | 1 | Nimbus, stratus..... | ..... | 2 | Slight rain. |
| | 6.00 p. m. | .854 | 69.1 | 57.4 | ..... | ..... | 49.8 | 0.53 | N. W. | 1 | Cumulus..... | ..... | 3 | |
| | 7.00 p. m. | .855 | 63.2 | 54.1 | ..... | ..... | 47.0 | 0.60 | ..... | 0 | .....do ..... | ..... | 4 | |
| | 8.00 p. m. | .857 | 57.9 | 50.0 | ..... | ..... | 44.4 | 0.63 | E. | 5 | Cumulo-stratus ..... | ..... | 5 | |
| | 9.00 p. m. | .847 | 57.0 | 49.8 | 80.2 | ..... | 45.1 | 0.67 | E. | 1 | ..... | ..... | 0 | |
| July 20 | 6.00 a. m. | .886 | 52.5 | 50.1 | ..... | 41.5 | 47.0 | 0.81 | ..... | 0 | Cumulo-stratus ..... | ..... | ½ | |

*Camp 17, Conant's Creek.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 20 | 2.00 p. m. | 24.503 | 72.5 | 58.0 | ..... | ..... | 50.5 | 0.47 | N. N. E. | 1 | Cumulo-stratus ..... | ..... | 4 | Elevation, 5,560 feet. |
| | 3.00 p. m. | .496 | 73.0 | 56.0 | ..... | ..... | 47.5 | 0.43 | N. W. | 1 | Cirro-cumulus, stratus. | ..... | 3 | |
| | 4.00 p. m. | .497 | 70.0 | 55.3 | ..... | ..... | 47.5 | 0.47 | N. W. | 2 | Cirro-cumulus ..... | ..... | 3 | |
| | 5.00 p. m. | .469 | 69.0 | 56.5 | ..... | ..... | 49.8 | 0.53 | N. W. | 1 | Cirro-stratus, cirro-cumulus. | ..... | 3 | |
| | 6.00 p. m. | .473 | 68.0 | 57.0 | ..... | ..... | 50.4 | 0.56 | N. W. | ½ | Cumulus, cumulo-stratus. | ..... | 3 | |
| | 7.00 p. m. | .468 | 61.5 | 53.5 | ..... | ..... | 46.7 | 0.60 | N. | ½ | Cirro-stratus..... | ..... | 2 | |
| | 8.00 p. m. | .460 | 56.0 | 50.5 | ..... | ..... | 47.5 | 0.75 | N. | ½ | Cumulo-cirrus ..... | ..... | 1 | |
| | 9.00 p. m. | .472 | 52.0 | 47.0 | 75.0 | ..... | 42.0 | 0.71 | ..... | 0 | .....do ..... | ..... | 1 | |

*Camp 18, near Téton River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 21 | 1.00 p. m. | 24.042 | 74.5 | 54.0 | ..... | 40.0 | 43.5 | 0.35 | ..... | 0 | Cirrus, cirro-cumulus, cumulus. | S. | 4 | Elevation, 6,016 feet. |

*Snake River Division, Camp 18, near Téton River*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| July 21 | 2.00 p. m. | 24.034 | 73.5 | 51.0 | ..... | ..... | 39.5 | 0.31 | S. W. | 1 | Nimbus, cumulus | ..... | 4 | |
| | 3.00 p. m. | .014 | 78.0 | 60.0 | ..... | ..... | 51.0 | 0.41 | W. | 1 | Cirrus | ..... | 6 | |
| | 4.00 p. m. | .014 | 72.4 | 59.0 | ..... | ..... | 52.5 | 0.52 | S. | 2 | Cumulus | ..... | 4 | |
| | 5.00 p. m. | .000 | 72.8 | 54.4 | ..... | ..... | 44.5 | 0.39 | S. W. | 2 | do | S. | 5 | |
| | 6.00 p. m. | 23.983 | 70.8 | 53.0 | ..... | ..... | 44.0 | 0.40 | S. W. | 2 | Cumulus, cirrus | ..... | 5 | |
| | 7.00 p. m. | 24.000 | 61.2 | 51.2 | ..... | ..... | 44.0 | 0.56 | S. W. | 1 | do | ..... | 5 | |
| | 8.00 p. m. | .032 | 56.0 | 48.2 | ..... | ..... | 42.4 | 0.63 | ..... | 0 | Nimbus, cirrus | ..... | 3 | |
| | 9.00 p. m. | .028 | 54.0 | 47.0 | 80.5 | ..... | 40.0 | 0.22 | ..... | 0 | do | S. | 3 | |
| | | | | | | | | | *Camp 19, Cottonwood Creek.* | | | | | |
| July 22 | 2.00 p. m. | 24.090 | 77.0 | 54.0 | ..... | 39.0 | 42.5 | 0.32 | W. | 1 | Cumulus, cirrus | ..... | 1 | Elevation, 6,126 feet. |
| | 4.00 p. m. | .062 | 74.0 | 50.2 | ..... | ..... | 38.0 | 0.30 | W. S. W. | 3 | Cirrus | ..... | 1 | |
| | 5.00 p. m. | .052 | 74.0 | 47.5 | ..... | ..... | 35.0 | 0.27 | S. W. | 3 | do | ..... | 1 | |
| | 6.00 p. m. | .053 | 72.0 | 49.0 | ..... | ..... | 37.5 | 0.31 | S. | 2 | do | ..... | 1 | |
| | 7.00 p. m. | .063 | 67.8 | 54.5 | ..... | ..... | 47.2 | 0.50 | S. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .070 | 54.8 | 45.0 | ..... | ..... | 38.0 | 0.56 | S. | 1 | Cirrus | ..... | 1 | |
| July 23 | 7.00 a. m. | .111 | 67.0 | 51.5 | ..... | 38.5 | 43.0 | 0.44 | ..... | 0 | do | ..... | 1 | |
| | | | | | | | | | *Camp 20, Téton Cañon.* | | | | | |
| July 23 | 1.00 p. m. | 23.614 | 73.5 | 57.5 | ..... | ..... | 50.0 | 0.45 | W. | 2 | Cumulus, nimbus | ..... | 6 | Indication of rain. |
| | 2.00 p. m. | .611 | 67.0 | 56.5 | ..... | ..... | 51.0 | 0.59 | ..... | 0 | do | ..... | 8 | Rain commenced 1.30 p. m., lasting 37 min. |
| | 3.00 p. m. | .595 | 70.0 | 57.5 | ..... | ..... | 52.0 | 0.55 | W. | 2 | do | ..... | 8 | |
| | 4.00 p. m. | .597 | 70.7 | 59.0 | ..... | ..... | 53.0 | 0.55 | W. S. W. | 1 | Cumulus, cirrus | ..... | 7 | Elevation, 6,646 feet. |
| | 5.00 p. m. | .589 | 72.0 | 57.9 | ..... | ..... | 51.0 | 0.50 | W. S. W. | 1 | do | ..... | 1 | |
| | 6.00 p. m. | .582 | 65.8 | 54.5 | ..... | ..... | 48.4 | 0.55 | ..... | 0 | ..... | ..... | 0 | |
| | 7.00 p. m. | .590 | 61.2 | 50.5 | ..... | ..... | 44.0 | 0.56 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 p. m | .580 | 54.0 | 46.0 | ..... | ..... | 38.0 | 0.58 | S. E. | 1 | Cumulus, stratus | ..... | 1 | |
| | 9.00 p. m. | .608 | 47.0 | 43.0 | 76.0 | ..... | 38.6 | 0.75 | E. | 1 | do | ..... | 1 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 24 | 7.00 a. m. | .606 | 62.1 | 54.9 | ..... | 38.0 | 50.1 | 0.67 | ..... | 0 | Cumulus, cirrus..... | S. S. W. | 5 | |
| | | 8.00 a. m. | .620 | 65.3 | 55.1 | ..... | ..... | 49.0 | 0.58 | ..... | 0 | .....do ..... | S. S. W. | 5 | |
| | | 9.00 a. m. | .645 | 68.0 | 57.0 | ..... | ..... | 50.4 | 0.56 | ..... | 0 | Cumulus, stratus ..... | ..... | 5 | |
| | | 10.00 a. m. | .661 | 69.0 | 54.0 | ..... | ..... | 45.0 | 0.45 | S. E. | 1 | .....do ..... | ..... | 6 | |
| | | 11.00 a. m. | .710 | 70.0 | 56.0 | ..... | ..... | 49.0 | 0.49 | S. W. | 1 | .....do ..... | ..... | 4 | |
| | | 12.00 m.... | .636 | 74.0 | 56.5 | ..... | ..... | 48.5 | 0.43 | S. W. | 1 | .....do ..... | ..... | 4 | |
| | | 1.00 p. m. | .658 | 73.5 | 54.5 | ..... | ..... | 45.5 | 0.38 | W. | 2 | .....do ..... | ..... | 4 | |
| | | 2.00 p. m. | .652 | 73.0 | 52.5 | ..... | ..... | 43.0 | 0.37 | S. W. | 2 | .....do ..... | ..... | 3 | |
| | | 3.00 p. m. | .636 | 73.0 | 53.0 | ..... | ..... | 43.0 | 0.37 | S. W. | 2 | Cumulus..... | ..... | 4 | |
| | | 4.00 p. m. | .631 | 70.9 | 54.0 | ..... | ..... | 45.5 | 0.42 | S. W. | 1 | .....do ..... | ..... | 4 | |
| | | 5.00 p. m | .611 | 71.5 | 53.5 | ..... | ..... | 45.0 | 0.41 | S. W. | 1 | .... do ..... | W. | 3 | |
| | | 6.00 p. m | .617 | 70.0 | 53.3 | ..... | ..... | 44.5 | 0.42 | S. W. | 1 | .....do ..... | W. | 3 | |
| | | 7.00 p. m | .642 | 61.5 | 52.0 | ..... | ..... | 45.0 | 0.56 | S. W. | 1 | .....do ..... | 0 | 2 | |
| | | 8.00 p. m | .655 | 46.0 | 41.0 | 78.9 | ..... | 35.5 | 0.69 | S. W. | 1 | ..... | ..... | 0 | |
| July | 25 | 8.00 a. m | .729 | 64.0 | 48.1 | ..... | 34.0 | 36.8 | 0.40 | ..... | 0 | ..... | ..... | 0 | |
| | | 9.00 a. m. | .725 | 66.3 | 50.5 | ..... | ..... | 42.0 | 0.44 | ..... | 0 | ..... | ..... | 0 | |
| | | 10.00 a. m | .724 | 69.7 | 52.0 | ..... | ..... | 43.0 | 0.40 | W. S. W. | 1 | ..... | ..... | 0 | |
| | | 11.00 a. m. | .726 | 72.5 | 51.5 | ..... | ..... | 41.5 | 0.35 | S. W. | 1 | ..... | ..... | 0 | |
| | | 12.00 m.... | .725 | 74.9 | 52.0 | ..... | ..... | 40.5 | 0.31 | S. W. | 1 | ..... | ..... | 0 | |
| | | 1.00 p. m. | .718 | 75.2 | 54.2 | ..... | ..... | 43.5 | 0.35 | W. S. W. | 2 | Cirrus, cumulus..... | ..... | 1 | |
| | | 2.00 p. m. | .717 | 75.0 | 52.8 | ..... | ..... | 42.0 | 0.33 | W. S. W. | 3 | Cumulus..... | ..... | 1 | |
| | | 3.00 p. m. | .717 | 74.9 | 52.2 | ..... | ..... | 40.5 | 0.31 | W. S. W. | 2 | ..... | ..... | 0 | |
| | | 5.00 p. m. | .700 | 74.3 | 52.0 | ..... | ..... | 41.0 | 0.33 | W. S. W. | 1 | ..... | ..... | 0 | |
| | | 6.00 p. m. | .693 | 71.0 | 51.9 | ..... | ..... | 42.5 | 0.38 | W. S. W. | 1 | ..... | ..... | 0 | |
| | | 8.00 p. m. | .687 | 50.0 | 41.8 | ..... | ..... | 34.0 | 0.57 | ..... | 0 | ..... | ..... | 0 | |
| | | 9.00 p. m. | .704 | 51.0 | 40.8 | 79.4 | ..... | 31.0 | 0.50 | E. S. E. | 1 | ..... | ..... | 0 | |
| July | 26 | 8.00 a. m. | .701 | 68.5 | 54.0 | ..... | ..... | 45.0 | 0.45 | E. | 1 | Cumulus..... | ..... | 1 | Minimum at foot of Mount Hayden, 26.0. |
| | | 9.00 a. m. | .699 | 74.0 | 52.5 | ..... | ..... | 42.5 | 0.35 | S. E. | 1 | Cumulus, cirrus..... | ..... | 3 | |
| | | 10.00 a. m. | .713 | 71.5 | 54.2 | ..... | ..... | 45.0 | 0.41 | ..... | 0 | .....do ..... | ..... | 3 | |
| | | 11.00 a. m. | .714 | 69.0 | 52.3 | ..... | ..... | 41.8 | 0.40 | ..... | 0 | Cumulus, cirrus, nimbus. | ..... | 3 | Indication of rain. |
| | | 12.00 m.... | .684 | 79.0 | 55.0 | ..... | ..... | 43.0 | 0.30 | N. W. | 1 | Cumulus, cirrus..... | ..... | 3 | |
| | | 1.00 p. m. | .688 | 79.5 | 56.0 | ..... | ..... | 44.0 | 0.30 | S. W. | 1 | .....do ..... | ..... | 3 | |
| | | 2.00 p. m. | .673 | 80.0 | 51.0 | ..... | ..... | 36.0 | 0.23 | S. W. | 1 | Cumulus, cirrus, cumulo-stratus. | ..... | 3 | |
| | | 3.00 p. m. | .645 | 80.0 | 55.0 | ..... | ..... | 42.5 | 0.29 | S. W. | 1 | Cumulus, cumulo-stratus, nimbus. | ..... | 6 | Indication of rain. |
| | | 4.00 p. m. | .628 | 70.0 | 53.0 | ..... | ..... | 44.5 | 0.42 | S. W. | 1 | Nimbus..... | ..... | 8 | |
| | | 5.00 p. m. | .642 | 67.0 | 52.0 | ..... | ..... | 43.0 | 0.44 | S. E. | 1 | Nimbus, cumulus ..... | S. | 7 | Rain passed to S. W. |
| | | 6.00 p. m. | .634 | 70.3 | 52.5 | ..... | ..... | 44.5 | 0.42 | S. E. | 1 | Cumulus..... | ..... | 2 | |
| | | 7.00 p. m. | .636 | 60.0 | 49.0 | ..... | ..... | 41.3 | 0.53 | S. E. | 2 | Cumulus, stratus..... | ..... | 1 | |
| | | 8.00 p. m. | .625 | 51.8 | 45.5 | ..... | ..... | 40.0 | 0.66 | E. | 2 | .....do ..... | ..... | 1 | |
| | | 9.00 p. m. | .625 | 54.0 | 44.0 | 86.0 | ..... | 34.0 | 0.50 | E. | 2 | .....do ..... | ..... | 1 | |
| July | 27 | 8.00 a. m. | .623 | 71.3 | 55.0 | ..... | 49.0 | 47.0 | 0.45 | ..... | 0 | Cirrus, cumulus..... | S. W. | 2 | |
| | | 9.00 a. m. | .622 | 74.8 | 57.1 | ..... | ..... | 48.0 | 0.41 | S. W. | 1 | Cirrus ..... | S. S. W. | 2 | |
| | | 10.00 a. m. | .630 | 77.1 | 56.2 | ..... | ..... | 45.5 | 0.35 | S. W. | 1 | ..... | ..... | 0 | |
| | | 11.00 a. m. | .635 | 77.9 | 56.1 | ..... | ..... | 45.0 | 0.33 | S. W. | 1 | Cirrus ..... | S. S. W. | 1 | |
| | | 12.00 m.... | .632 | 78.8 | 56.0 | ..... | ..... | 44.5 | 0.32 | S. W. | 1 | .....do ..... | S. S. W. | 2 | |

*Snake River Division, Camp 20, Téton Cañon*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| July 27 | 1.00 p. m. | 23.624 | 81.0 | 56.6 | ..... | ..... | 45.0 | 0.30 | S. W. | 2 | Cirrus, cumulus | S. S. W. | 2 | |
| | 2.00 p. m. | .615 | 82.6 | 56.9 | ..... | ..... | 44.0 | 0.28 | W. S. W. | 2 | Cumulus | W. S. W. | 3 | |
| | 3.00 p. m. | .604 | 76.3 | 55.5 | ..... | ..... | 46.0 | 0.37 | W. | 2 | do | W. S. W. | 4 | |
| | 4.00 p. m. | .604 | 76.1 | 56.1 | ..... | ..... | 46.0 | 0.37 | ..... | 0 | do | W. S. W. | 5 | |
| | 5.00 p. m. | .587 | 70.2 | 54.6 | ..... | ..... | 47.5 | 0.47 | ..... | 0 | Cumulus, nimbus | S. W. | 5 | |
| | 6.15 p. m. | .579 | 71.4 | 49.8 | ..... | ..... | 39.5 | 0.34 | ..... | 0 | Cumulus | S. W. | 4 | |
| | 7.00 p. m. | .600 | 57.7 | 47.0 | ..... | ..... | 39.3 | 0.53 | N. E. | 2 | Cumulus, stratus | S. W. | 1 | |
| | 8.00 p. m. | .588 | 52.9 | 43.9 | 86.0 | ..... | 35.8 | 0.54 | E. | 2 | do | S. W. | 1 | |
| July 28 | 7.00 a. m. | .567 | 70.0 | 53.6 | ..... | 43.5 | 46.0 | 0.45 | W. S. W. | 1 | Cirrus, cirro-stratus | ..... | 2 | |
| | 8.00 a. m. | .581 | 70.0 | 53.5 | ..... | ..... | 46.0 | 0.45 | W. | 1 | Cumulus | ..... | 1 | |
| | 9.00 a. m. | .588 | 72.0 | 52.0 | ..... | ..... | 42.0 | 0.37 | W. | 1 | Cumulo-stratus | ..... | 1 | |
| | 10.00 a. m. | .608 | 74.0 | 52.5 | ..... | ..... | 42.5 | 0.35 | W. | 1 | do | ..... | 1 | |
| | 2.00 p. m. | .568 | 78.2 | 56.4 | ..... | ..... | 45.0 | 0.33 | S. W. | 1 | Cumulus, cirrus | ..... | 2 | |
| | 3.00 p. m. | .534 | 78.0 | 53.2 | ..... | ..... | 40.5 | 0.29 | W. | 2 | Cumulus | S. W. | 2 | |
| | 4.00 p. m. | .537 | 78.0 | 53.5 | ..... | ..... | 42.0 | 0.30 | S. W. | 2 | Cumulus, cirrus | ..... | 2 | |
| | 5.00 p. m. | .539 | 75.7 | 52.9 | ..... | ..... | 41.5 | 0.32 | W. | 1 | do | ..... | 2 | |
| | 6.00 p. m. | .535 | 73.5 | 50.2 | ..... | ..... | 38.0 | 0.30 | W. | 1 | Cumulus, stratus | ..... | 1 | |
| | 7.00 p. m. | .543 | 66.7 | 49.1 | ..... | ..... | 38.2 | 0.38 | ..... | 0 | Stratus | ..... | 1 | |
| | 8.00 p. m. | .533 | 49.9 | 40.2 | 84.1 | ..... | 30.0 | 0.49 | ..... | 0 | ..... | ..... | 0 | |
| July 29 | 7.00 a. m. | .677 | 61.0 | 48.7 | ..... | 37.0 | 40.6 | 0.50 | W. S. W. | 1 | Cumulus, cirrus | ..... | 8 | |
| | 8.00 a. m. | .704 | 58.5 | 46.1 | ..... | ..... | 36.9 | 0.47 | W. S. W. | 1 | Cirrus | ..... | 1 | |
| | 9.00 a. m. | .712 | 60.1 | 46.0 | ..... | ..... | 36.2 | 0.44 | W. S. W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .734 | 61.5 | 46.2 | ..... | ..... | 34.8 | 0.39 | W. S. W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .753 | 61.6 | 46.3 | ..... | ..... | 34.8 | 0.39 | S. W. | 2 | ..... | ..... | 0 | |
| | 12.00 m ... | .756 | 62.0 | 44.2 | ..... | ..... | 31.4 | 0.35 | S. W. | 3 | ..... | ..... | 0 | |
| | 1.00 p. m. | .761 | 64.7 | 44.9 | ..... | ..... | 33.0 | 0.34 | S. W. | 3 | ..... | ..... | 0 | |
| | 2.00 p. m. | .775 | 66.8 | 44.8 | ..... | ..... | 31.8 | 0.30 | S. W. | 3 | ..... | ..... | 0 | Wind in gusts. |
| | 3.00 p. m. | .774 | 64.8 | 44.7 | ..... | ..... | 33.0 | 0.34 | W. | 3 | ..... | ..... | 0 | |
| | 4.00 p. m. | .773 | 64.1 | 44.6 | ..... | ..... | 31.7 | 0.33 | W. | 3 | ..... | ..... | 0 | |
| | 5.00 p. m. | .780 | 62.1 | 44.5 | ..... | ..... | 33.1 | 0.37 | S. W. | 3 | ..... | ..... | 0 | |
| | 6.00 p. m. | .798 | 58.0 | 41.5 | ..... | ..... | 30.8 | 0.38 | S. W. | 2 | ..... | ..... | 0 | |
| | 7.00 p. m. | .802 | 56.0 | 40.1 | ..... | ..... | 28.8 | 0.39 | S. W. | 2 | ..... | ..... | 0 | |
| | 8.00 p. m. | .805 | 54.8 | 38.9 | 66.9 | ..... | 27.0 | 0.39 | S. W. | 2 | ..... | ..... | 0 | |
| July 30 | 8.00 a. m. | 859 | 54.1 | 42.0 | ..... | 26.2 | 30.0 | 0.43 | S. W. | 1 | ..... | ..... | 0 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9.00 a. m. | .910 | 54.2 | 41.3 | ..... | ..... | 32.0 | 0.47 | W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .907 | 57.5 | 42.7 | ..... | ..... | 33.2 | 0.44 | W. | 2 | ..... | ..... | 0 | |
| | 11.00 a. m. | .905 | 60.1 | 43.8 | ..... | ..... | 32.8 | 0.39 | N. W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .902 | 63.7 | 46.8 | ..... | ..... | 35.1 | 0.37 | W. | 1 | ..... | ..... | 0 | |
| | 1.00 p. m. | .891 | 65.6 | 47.7 | ..... | ..... | 37.2 | 0.38 | W. | 1 | ..... | ..... | 0 | |
| | 2.00 p. m. | .892 | 67.3 | 47.5 | ..... | ..... | 36.6 | 0.35 | W. | 1 | ..... | ..... | 0 | Hazy. |
| | 3.00 p. m. | .878 | 69.0 | 47.9 | ..... | ..... | 35.4 | 0.32 | W. | 1 | ..... | ..... | 0 | |
| | 4.00 p. m. | .876 | 69.2 | 47.3 | ..... | ..... | 33.8 | 0.30 | W. | 2 | ..... | ..... | 0 | Gusty. |
| | 5.00 p. m. | .869 | 67.0 | 45.8 | ..... | ..... | 33.4 | 0.32 | W. | 1 | ..... | ..... | 0 | |
| | 6.00 p. m. | .866 | 64.2 | 46.6 | ..... | ..... | 34.0 | 0.36 | W. | 1 | ..... | ..... | 0 | |
| | 7.00 p. m. | .881 | 50.0 | 41.3 | ..... | ..... | 32.3 | 0.54 | W. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .893 | 43.0 | 35.7 | 72.4 | ..... | 26.3 | 0.56 | E. | 1 | ..... | ..... | 0 | |
| July 31 | 8.00 a. m. | .908 | 62.1 | 45.0 | ..... | 34.7 | 33.1 | 0.37 | W. S. W. | 1 | ..... | ..... | 0 | A few stratus clouds at horizon. |
| | 9.00 a. m. | .900 | 65.1 | 47.0 | ..... | ..... | 36.2 | 0.37 | N. W. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .905 | 66.3 | 47.3 | ..... | ..... | 35.6 | 0.35 | W. N. W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .907 | 69.4 | 47.5 | ..... | ..... | 35.4 | 0.32 | N. W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .885 | 71.4 | 49.7 | ..... | ..... | 39.5 | 0.34 | W. N. W. | 1 | ..... | ..... | 0 | |
| | 1.00 p. m. | .877 | 71.9 | 49.9 | ..... | ..... | 39.0 | 0.33 | W. | 1 | Cirrus ..... | W. | 1 | |
| | 2.00 p. m. | .873 | 74.1 | 52.6 | ..... | ..... | 41.8 | 0.34 | W. N. W. | 1 | .....do ..... | ..... | 1 | |
| | 3.00 p. m. | .866 | 72.5 | 49.7 | ..... | ..... | 38.5 | 0.31 | E. S. E. | 1 | .....do ..... | ..... | 1 | |
| | 4.00 p. m. | .857 | 75.1 | 52.3 | ..... | ..... | 40.5 | 0.31 | S. W. | 1 | Cirrus, cumulus ..... | ..... | 1 | |
| | 5.00 p. m. | .845 | 71.1 | 49.7 | ..... | ..... | 39.5 | 0.34 | W. | 1 | Cumulus, cirrus ..... | W. | 1 | |
| | 6.00 p. m. | .859 | 69.5 | 49.3 | ..... | ..... | 38.5 | 0.34 | N. N. W. | 1 | Cumulus, stratus ..... | ..... | 1 | |
| | 7.00 p. m. | .858 | 55.3 | 44.3 | ..... | ..... | 36.3 | 0.53 | W. | 1 | ..... | ..... | 0 | |
| | 8.00 p. m. | .868 | 46.2 | 38.0 | 81.2 | ..... | 29.2 | 0.55 | E. | 1 | ..... | ..... | 0 | |
| Aug. 1 | 8.00 a. m. | .881 | 69.1 | 53.1 | ..... | 39.1 | 43.4 | 0.42 | E. N. E. | 1 | ..... | ..... | 0 | |
| | 9.00 a. m. | .895 | 68.9 | 48.7 | ..... | ..... | 37.0 | 0.34 | W. S. W. | 1 | Stratus ..... | ..... | ..... | A few stratus clouds at Tétons. |
| | 10.00 a. m. | .895 | 70.4 | 49.8 | ..... | ..... | 40.0 | 0.35 | S. S. E. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .874 | 73.2 | 50.0 | ..... | ..... | 38.5 | 0.31 | W. | 2 | ..... | ..... | 0 | |
| | 12.00 m.... | .868 | 75.0 | 51.3 | ..... | ..... | 39.0 | 0.30 | W. | 2 | Cirrus ..... | ..... | ..... | A few patches in N. E. |
| | 1.00 p. m. | .865 | 76.2 | 51.4 | ..... | ..... | 38.5 | 0.28 | W. | 1 | .....do ..... | ..... | ..... | |
| | 2.00 p. m. | .867 | 77.1 | 51.9 | ..... | ..... | 39.5 | 0.28 | W. | 1 | ..... | ..... | 0 | |
| | 3.00 p. m. | .858 | 77.0 | 51.5 | ..... | ..... | 39.3 | 0.28 | W. | 2 | ..... | ..... | 0 | |
| | 4.00 p. m. | .855 | 77.2 | 50.7 | ..... | ..... | 38.0 | 0.27 | W. | 2 | ..... | ..... | 0 | |
| | 5.00 p. m. | .852 | 77.5 | 50.2 | ..... | ..... | 38.0 | 0.27 | W. | 2 | ..... | ..... | 0 | |
| | 6.00 p. m. | .854 | 71.1 | 49.3 | ..... | ..... | 38.0 | 0.33 | ..... | 0 | ..... | ..... | ..... | A few stratus clouds W. |
| | 7.00 p. m. | .883 | 53.0 | 43.0 | ..... | ..... | 33.0 | 0.50 | N. E. | 1 | ..... | ..... | ..... | |
| | 8.00 p. m. | .853 | 52.8 | 40.1 | 79.6 | ..... | 28.0 | 0.39 | E. | 1 | ..... | ..... | ..... | |

*Camp* 21, *near Téton River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 2 | 4.00 p. m. | 24.380 | 76.7 | 58.0 | ..... | 37.3 | 48.5 | 0.39 | W. S. W. | 1 | Cirrus, cumulus ..... | W. | 5 | Elevation, 6,016 feet. |
| | 5.00 p. m. | .373 | 74.2 | 57.5 | ..... | ..... | 48.5 | 0.43 | W. S. W. | 1 | .....do ..... | ..... | 3 | |
| | 6.00 p. m. | .356 | 68.7 | 57.5 | ..... | ..... | 49.8 | 0.53 | S. E. | 1 | .....do ..... | ..... | 1 | |
| | 7.00 p. m. | .360 | 56.4 | 51.6 | ..... | ..... | 49.2 | 0.79 | ..... | 0 | Cirrus, stratus ..... | ..... | 1 | |

*Snake River Dtvision, Camp 21, near Téton River*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 2 | 8.00 p. m. | 24.375 | 42.3 | 40.0 | ..... | ..... | 37.6 | 0.86 | ..... | 0 | Cirrus, stratus ..... | ..... | 1 | |
| Aug. 3 | 6.00 a. m. | .335 | 41.0 | 38.5 | ..... | 30.0 | 34.4 | 0.80 | ..... | 0 | .....do ..... | ..... | 3 | Heavy dew during night. |
| | 7.00 a. m. | .343 | 55.7 | 48.8 | ..... | ..... | 44.1 | 0.67 | S. E. | 1 | .... do ..... | ..... | 3 | Frost in morning. |

*Camp 22, Fall River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 3 | 2.00 p. m. | 24.640 | 79.9 | 60.6 | ..... | ..... | 51.5 | 0.39 | W. | 2 | Cirrus,cumulus,stratus | W. | 2 | Elevation, 5,668 feet. |
| | 3.00 p. m. | .617 | 78.2 | 59.8 | ..... | ..... | 51.0 | 0.41 | W. | 2 | .....do ..... | ..... | 3 | |
| | 4.00 p. m. | .598 | 74.6 | 57.5 | ..... | ..... | 48.0 | 0.41 | W. | 1 | Cumulus,cirro-cumulus | ..... | 7 | |
| | 5.00 p. m. | .553 | 70.2 | 64.4 | ..... | ..... | 61.0 | 0.74 | ..... | 0 | Cumulus, nimbus ..... | ..... | 7 | |
| | 6.00 p. m. | .564 | 70.2 | 62.0 | ..... | ..... | 58.0 | 0.67 | W. | 1 | .....do ..... | W. | 8 | |
| | 7.00 p. m. | .574 | 60.5 | 52.5 | ..... | ..... | 46.4 | 0.63 | ..... | 0 | .....do ..... | ..... | 6 | |
| | 8.00 p. m. | .597 | 67.1 | 53.2 | ..... | ..... | 44.6 | 0.47 | W. | 2 | .....do ..... | ..... | 8 | Showers S. and E. |
| Aug. 4 | 6.00 a. m. | .698 | 46.0 | 42.1 | ..... | 35.8 | 37.6 | 0.74 | ..... | 0 | ..... | ..... | 0 | Heavy dew. |
| | 7.00 a. m. | .690 | 53.6 | 49.3 | ..... | ..... | 44.0 | 0.71 | E. | 1 | ..... | ..... | 0 | |

*Camp 23, Bechler's Fork.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 4 | 3.00 p. m. | 24.547 | 75.1 | 61.4 | ..... | ..... | 54.0 | 0.50 | W. | 1 | Cirrus, cumulus..... | ..... | 1 | Elevation, 5,762 feet. |
| | 4.00 p. m. | .537 | 73.9 | 60.0 | ..... | ..... | 53.0 | 0.50 | W. | 1 | Cumulus ..... | ..... | 1 | |
| | 5.00 p. m. | .536 | 71.3 | 59.0 | ..... | ..... | 53.0 | 0.55 | W. | 1 | ..... | ..... | 0 | |
| | 6.00 p. m. | .535 | 68.0 | 58.1 | ..... | ..... | 52.0 | 0.59 | W. | 1 | ..... | ..... | 0 | |
| | 7.00 p. m. | .535 | 56.2 | 53.1 | ..... | ..... | 50.9 | 0.84 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 p. m. | .546 | 51.0 | 47.3 | ..... | ..... | 43.0 | 0.76 | ..... | 0 | ..... | ..... | 0 | |
| Aug. 5 | 6.00 a. m. | .612 | 39.0 | 37.5 | ..... | 28.0 | 34.0 | 0.84 | ..... | 0 | ..... | ..... | 0 | Heavy dew. |
| | 7.00 a. m. | .608 | 51.0 | 46.7 | ..... | ..... | 43.0 | 0.76 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 a. m. | .595 | 64.3 | 52.5 | ..... | ..... | 43.6 | 0.50 | N. | 1 | ..... | ..... | 0 | |

### Camp 24, near Henry's Fork.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 5 | 4.00 p. m. | 24.075 | 80.1 | 54.0 | ..... | ..... | 41.0 | 0.27 | S. W. | 1 | Cumulus..... | W. | 1 | Elevation, 6,256 feet. |
| | 5.00 p. m. | .070 | 76.9 | 52.2 | ..... | ..... | 39.5 | 0.28 | S. W. | 1 | Cumulus, cirrus..... | ..... | 5 | |
| | 6.00 p. m. | .037 | 77.2 | 54.2 | ..... | ..... | 42.5 | 0.32 | S. S. E. | 1 | .....do ..... | ..... | 4 | |
| | 7.00 p. m. | .038 | 69.0 | 50.5 | ..... | ..... | 38.6 | 0.36 | ..... | 0 | Cumulus, stratus, cirrus | ..... | 1 | |
| | 8.00 p. m. | .023 | 53.5 | 47.2 | 87.0 | ..... | 41.0 | 0.66 | ..... | 0 | Cumulus, stratus..... | ..... | 1 | |
| Aug. 6 | 6.00 a. m. | .035 | 43.9 | 39.0 | ..... | 33.0 | 33.0 | 0.68 | ..... | 0 | Cumulus..... | S. | 7 | |
| | 7.00 a. m. | .052 | 47.8 | 42.9 | ..... | ..... | 37.5 | 0.70 | ..... | 0 | Cumulus, nimbus ..... | S. W. | 9 | |
| | 8.00 a. m. | .044 | 54.2 | 48.2 | ..... | ..... | 42.0 | 0.66 | ..... | 0 | .....do ..... | ..... | 10 | |

### Camp 25, Henry's Fork.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 6 | 1.00 p. m. | 23.993 | 72.9 | 57.5 | ..... | ..... | 49.0 | 0.45 | S. W. | 3 | Cumulus..... | N. E. | 4 | Elevation, 6,247 feet. |
| | 2.00 p. m. | .913 | 75.3 | 53.6 | ..... | ..... | 43.5 | 0.35 | S. W. | 4 | .....do ..... | ..... | 6 | |
| | 3.00 p. m. | .950 | 75.3 | 52.7 | ..... | ..... | 42.0 | 0.33 | S. W. | 5 | Cumulus, nimbus ..... | S. | 4 | Raining, N. E. |
| | 4.00 p. m. | .931 | 76.6 | 53.5 | ..... | ..... | 41.0 | 0.30 | S. W. | 5 | Cumulus..... | ..... | 5 | |
| | 5.00 p. m. | .903 | 74.5 | 53.2 | ..... | ..... | 42.5 | 0.35 | S. W. | 4 | Cumulus, nimbus ..... | ..... | 4 | Do. |
| | 6.00 p. m. | .914 | 71.3 | 50.9 | ..... | ..... | 41.0 | 0.36 | S. W. | 4 | Cumulus..... | ..... | 6 | |
| | 7.00 p. m. | 24.014 | 67.8 | 50.4 | 81.0 | ..... | 39.2 | 0.38 | S. W. | 1 | Cumulus, stratus ..... | S. W. | 8 | |
| Aug. 7 | 6.00 a. m. | 23.998 | 36.8 | 34.8 | ..... | 31.9 | 32.0 | 0.84 | N. W. | 1 | Cirrus, cumulus..... | W. | 3 | Heavy dew. |
| | 7.00 a. m. | .985 | 44.1 | 40.2 | ..... | ..... | 35.2 | 0.74 | N. | 1 | .....do ..... | ..... | 1 | |
| | 8.00 a. m. | .988 | 55.0 | 47.8 | ..... | ..... | 43.1 | 0.67 | S. W. | 1 | .....do ..... | W. | 1 | |

### Camp 26, Henry's Fork.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 7 | 3.00 p. m. | 23.677 | 68.8 | 58.3 | ..... | ..... | 51.4 | 0.56 | S. S. E. | 3 | Cumulus, cirrus..... | S. W. | 5 | Wind in gusts—4. |
| | 5.00 p. m. | .657 | 64.3 | 50.8 | ..... | ..... | 41.9 | 0.47 | S. S. E. | 3 | .....do ..... | ..... | 6 | Elevation, 6,454 feet. |
| | 6.00 p. m. | .667 | 60.7 | 50.5 | ..... | ..... | 42.3 | 0.53 | S. S. E. | 1 | Cumulus..... | ..... | 9 | |
| | 7.00 p. m. | .674 | 55.2 | 45.8 | ..... | ..... | 39.7 | 0.59 | N. | 2 | Cumulus, nimbus ..... | S. W. | 9 | |
| | 8.00 p. m. | .687 | 49.7 | 44.1 | 73.0 | ..... | 38.0 | 0.66 | N. | 3 | Cumulus, stratus..... | ..... | 3 | Wind in gusts—4. |
| Aug. 8 | 7.00 a. m. | .781 | 44.1 | 40.4 | ..... | 41.2 | 35.2 | 0.74 | N. W. | 3 | Nimbus, cumulus ..... | W. | 10 | Rain during night. |
| | 8.00 a. m. | .812 | 40.9 | 37.4 | ..... | ..... | 32.2 | 0.74 | N. W. | 3 | .....do ..... | N. W. | 10 | Sleeting 10 minutes. |

### Camp 27, Henry's Lake.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 8 | 2.00 p. m. | 23.687 | 59.6 | 48.0 | ..... | ..... | 39.6 | 0.50 | W. | 3 | Cumulus, cirrus..... | S. W. | 3 | Wind in gusts—4. |
| | 3.00 p. m. | .694 | 60.0 | 47.0 | ..... | ..... | 37.9 | 0.47 | N. W. | 2 | .....do ..... | S. W. | 3 | Elevation, 6,649 feet. |
| | 4.00 p. m. | .706 | 58.7 | 46.7 | ..... | ..... | 38.6 | 0.50 | N. W. | 1 | .....do ..... | N. E. | 2 | |
| | 5.00 p. m. | .714 | 53.9 | 44.1 | ..... | ..... | 34.0 | 0.50 | N. W. | 2 | .....do ..... | N. E. | 2 | |

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 8 | 6.00 p. m. | 23.728 | 48.0 | 42.1 | ..... | ..... | 35.4 | 0.65 | N | 1 | Cumulus, nimbus ..... | N. | 4 | |
| | 7.00 p. m. | .745 | 42.0 | 36.4 | ..... | ..... | 28.8 | 0.63 | N. E. | 1 | Nimbus..... | N. | 1 | |
| | 8.00 p. m. | .762 | 38.0 | 35.7 | 67.3 | ..... | 33.0 | 0.84 | N. | 1 | ..... | ..... | 0 | Aurora borealis. |
| Aug. 9 | 7.00 a. m. | .734 | 44.6 | 40.1 | ..... | 26.3 | 34.5 | 0.69 | N. | 2 | ..... | ..... | 0 | Heavy frost. |
| | 8.00 a. m. | .728 | 52.9 | 45.5 | ..... | ..... | 37.0 | 0.57 | N. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .705 | 58.8 | 47.8 | ..... | ..... | 40.3 | 0.53 | N. | 1 | ..... | ..... | 0 | |
| | 10.25 a. m. | .707 | 68.9 | 53.0 | ..... | ..... | 43.4 | 0.42 | N. | 1 | ..... | ..... | 0 | |
| | 11.30 a. m. | .700 | 66.5 | 47.2 | ..... | ..... | 35.6 | 0.35 | S. E. | 1 | Cirrus, cumulus..... | S.W. | 1 | |
| | 12.00 m... | .689 | 70.7 | 50.6 | ..... | ..... | 41.0 | 0.36 | S. | 1 | Cirrus, stratus ..... | ..... | 1 | |
| | 1.00 p. m. | .676 | 69.8 | 53.4 | ..... | ..... | 44.5 | 0.42 | S. S. W. | 1 | Cirrus, cumulus..... | ..... | 2 | |
| | 2.00 p. m. | .703 | 65.7 | 48.0 | ..... | ..... | 37.2 | 0.38 | S. S. W. | 1 | Cumulus, stratus..... | ..... | 3 | |
| | 4.00 p. m. | .626 | 63.3 | 46.2 | ..... | ..... | 34.1 | 0.37 | S. S. E. | 1 | Cirrus, cumulus..... | ..... | 2 | |
| | 5.00 p. m. | .615 | 60.2 | 47.1 | ..... | ..... | 37.9 | 0.47 | S. S. E. | 1 | Cumulus, cirrus..... | S. | 2 | |
| | 6.00 p. m. | .598 | 56.8 | 47.0 | ..... | ..... | 40.0 | 0.56 | ..... | 0 | .....do ..... | ..... | 5 | |
| | 7.00 p. m. | .610 | 52.0 | 43.2 | ..... | ..... | 34.0 | 0.53 | N. E. | 2 | Cumulus, cirrus, stratus | ..... | 8 | |
| | 8.00 p. m. | .618 | 44.2 | 39.2 | ..... | ..... | 33.0 | 0.68 | E. | 1 | Cumulus, stratus..... | ..... | 6 | |
| Aug. 10 | 7.00 a. m. | .584 | 52.4 | 45.4 | ..... | 32.1 | 38.0 | 0.62 | N. | 1 | Cirrus, cirro-cumulus . | S.W. | 1 | Slight rain, 5 minutes. |
| | 8.00 a. m. | .585 | 61.0 | 48.7 | ..... | ..... | 40.6 | 0.50 | N. N. E. | 1 | Cirrus ..... | ..... | 1 | |
| | 9.00 a. m. | .679 | 65.5 | 51.3 | ..... | ..... | 42.6 | 0.47 | E. | 1 | ..... | ..... | 0 | |
| | 10.00 a. m. | .568 | 77.2 | 56.2 | ..... | ..... | 45.5 | 0.35 | S. W. | 2 | Cumulus, cirro-cumulus | S. W. | 8 | |
| | 11.00 a. m. | .583 | 68.6 | 53.3 | ..... | ..... | 43.4 | 0.42 | S. W. | 2 | Cumulus, cirro-stratus | W. | 7 | |
| | 12.00 m... | .586 | 68.5 | 51.1 | ..... | ..... | 40.8 | 0.40 | W. | 1 | Cumulus, cirrus, cirro-cumulus. | S. W. | 6 | |
| | 1.00 p. m. | .578 | 75.2 | 52.0 | ..... | ..... | 40.5 | 0.31 | S. W. | 2 | Cumulus, cirro-cumulus | ..... | 5 | |
| | 2.00 p. m. | .588 | 69.2 | 48.5 | ..... | ..... | 35.4 | 0.32 | W. | 2 | Cumulus, nimbus ..... | ..... | 5 | Slight drizzling rain. |
| | 3.00 p. m. | .559 | 64.3 | 48.2 | ..... | ..... | 36.8 | 0.40 | N. W. | 2 | .....do ..... | S. W. | 8 | |
| | 4.00 p. m. | .545 | 68.3 | 50.0 | ..... | ..... | 39.2 | 0.38 | ..... | 0 | Cumulus, cirrus..... | ..... | 5 | |
| | 6.00 p. m. | .548 | 61.3 | 49.5 | ..... | ..... | 40.6 | 0.50 | W. | 1 | .....do ..... | ..... | 6 | |
| | 7.00 p. m. | .560 | 52.8 | 45.5 | 78.0 | ..... | 37.0 | 0.57 | S. W. | 1 | Cumulus, nimbus ..... | W. | 7 | Thunder-shower S., at 6.30. |
| Aug. 11 | 7.00 a. m. | .566 | 53.9 | 46.7 | ..... | 42.1 | 40.0 | 0.62 | N. E. | 2 | .....do ..... | W. | 9 | Thunder-showers during night, S. and S. W. |
| | 8.00 a. m. | .627 | 56.5 | 47.1 | ..... | ..... | 40.7 | 0.59 | N. W. | 2 | .....do ..... | ..... | 7 | |

### *Camp 28, Madison River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 11 | 3.00 p. m. | 23.651 | 67.5 | 49.4 | ..... | ..... | 38.2 | 0.38 | N. W. | 1 | Cumulus, nimbus ..... | W. S. W. | 9 | Elevation, 6,584 feet. |
| | 4.00 p. m. | .668 | 64.9 | 49.0 | ..... | ..... | 39.4 | 0.42 | ..... | 0 | .....do ..... | ..... | 10 | |
| | 5.00 p. m. | .669 | 61.8 | 46.8 | ..... | ..... | 36.5 | 0.42 | E. | 1 | .....do ..... | ..... | 10 | |
| | 6.00 p. m. | .694 | 59.8 | 46.5 | ..... | ..... | 36.2 | 0.44 | E. | 1 | .....do ..... | ..... | 10 | |
| | 7.00 p. m. | .690 | 56.8 | 46.3 | ..... | ..... | 38.3 | 0.53 | E. | 1 | .....do ..... | ..... | 10 | |
| Aug. 12 | 7.00 a. m. | .789 | 52.7 | 44.5 | ..... | 30.8 | 35.0 | 0.54 | N. E. | 1 | Cumulus, stratus..... | ..... | 2 | Slight rains last evening. |
| | 8.00 a. m. | .784 | 58.0 | 46.6 | ..... | ..... | 39.3 | 0.53 | N. E. | 1 | Cumulus, cirrus..... | ..... | 1 | |
| | 9.15 a. m. | .773 | 72.0 | 54.2 | ..... | ..... | 45.0 | 0.41 | ..... | 0 | Cirro-cumulus, cirrus . | ..... | 3 | |
| | 10.00 a. m. | .760 | 65.8 | 50.6 | ..... | ..... | 42.0 | 0.44 | ..... | 0 | Cumulus, cirrus..... | ..... | 4 | |
| | 11.00 a. m. | .750 | 75.7 | 53.0 | ..... | ..... | 41.5 | 0.32 | N. E. | 2 | Nimbus, cumulus ..... | ..... | 7 | |
| | 12.00 m.... | .749 | 65.0 | 52.7 | ..... | ..... | 45.8 | 0.52 | N. E. | 2 | .....do ..... | ..... | 10 | Rain 20 minutes, in showers. |

### *Camp 29, Madison River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 12 | 5.00 p. m. | 23.747 | 57.6 | 52.0 | ..... | ..... | 47.8 | 0.71 | W. | 1 | Nimbus, cumulus ..... | W. | 10 | Elevation, 6,603 feet. Thunder-showers between 1 and 3. At 6 drizzling rain. |
| | 6.00 p. m. | .753 | 55.0 | 52.1 | ..... | ..... | 49.9 | 0.84 | W. | 1 | .....do ..... | W. | 9 | |
| | 7.00 p. m. | .775 | 51.4 | 49.0 | 76.0 | ..... | 47.0 | 0.87 | ..... | 0 | Nimbus..... | W. | 10 | Thunder-shower at 7.30. |
| Aug. 13 | 6.00 a. m. | .852 | 39.9 | 39.9 | ..... | 31.0 | 40.0 | 1.00 | S. E. | 1 | ..... | ..... | 10 | Heavy mist. |

### *Camp 30, Mouth Gibbon's Fork.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 13 | 3.00 p. m. | 23.614 | 68.2 | 53.1 | ..... | ..... | 44.0 | 0.44 | W. | 1 | Cumulus, cirrus..... | W. | 3 | Elevation, 6,771 feet. |
| | 4.00 p. m. | .614 | 70.2 | 54.2 | ..... | ..... | 46.0 | 0.45 | W. | 1 | Cirro-cumulus, nimbus | W. | 4 | |
| | 5.00 p. m. | .616 | 67.0 | 53.8 | ..... | ..... | 46.2 | 0.50 | S. | 1 | .....do ..... | W. | 4 | |
| | 6.00 p. m. | .615 | 64.0 | 53.5 | ..... | ..... | 45.3 | 0.53 | E. | 1 | .....do ..... | W. | 4 | |
| | 7.00 p. m. | .629 | 55.3 | 49.1 | ..... | ..... | 44.8 | 0.71 | ..... | 0 | Cumulus, cirrus..... | S. W. | 5 | |
| | 8.00 p. m. | .645 | 46.9 | 44.6 | ..... | ..... | 42.8 | 0.87 | ..... | 0 | ..... | ..... | 0 | |
| | 9.00 p. m. | .655 | 47.8 | 44.0 | ..... | ..... | 39.6 | 0.75 | ..... | 0 | ..... | ..... | 0 | |
| Aug. 14 | 7.00 a. m. | .665 | 43.4 | 39.1 | ..... | 30.8 | 34.2 | 0.74 | E. | 1 | ..... | ..... | 0 | Heavy frost. |

### *Camp 31, Lower Geyser Basin.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 14 | 2.00 p. m. | 23.791 | 72.5 | 54.1 | ..... | ..... | 45.0 | 0.41 | W. | 2 | Cirrus, cumulus..... | W. | 3 | Elevation, 7,250 feet. |
| | 3.00 p. m. | .190 | 74.2 | 56.3 | ..... | ..... | 47.0 | 0.40 | W. | 1 | .....do ..... | W. | 3 | |
| | 4.00 p. m. | .175 | 71.5 | 52.5 | ..... | ..... | 42.5 | 0.38 | S. W. | 2 | .....do ..... | W. | 3 | |

*Snake River Division—Camp 31, Lower Geyser Basin*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Aug. 14 | 5.00 p. m. | 23.161 | 67.0 | 50.0 | ..... | ..... | 39.8 | 0.40 | S. W. | 2 | Cirrus, cumulus..... | W. | 2 | |
| | 6.00 p. m. | .143 | 62.3 | 49.1 | ..... | ..... | 39.9 | 0.47 | S. W. | 1 | .....do ..... | ..... | 1 | |
| | 7.00 p. m. | .141 | 54.8 | 47.5 | ..... | ..... | 41.4 | 0.63 | ..... | 0 | .....do ..... | ..... | 3 | |
| | 8.00 p. m. | .149 | 49.0 | 45.1 | ..... | ..... | 40.6 | 0.75 | ..... | 0 | .....do ..... | ..... | 2 | |
| Aug. 15 | 7.00 a. m. | .102 | 56.2 | 48.4 | ..... | 32.3 | 42.4 | 0.03 | W. | 1 | .....do ..... | ..... | 1 | |
| | | | | | | *Camp 32, Lower Geyser Basin.* | | | | | | | | |
| Aug. 20 | 8.00 a. m. | 22.958 | 44.0 | 39.0 | ..... | ..... | 33.0 | 0.68 | ..... | 0 | ..... | ..... | 0 | Elevation, 7,261 feet. |
| | 9.00 a. m. | .958 | 59.0 | 45.2 | ..... | ..... | 35.2 | 0.44 | S. W. | 4 | Cirro-cumulus ..... | S. W. | 2 | |
| | 10.00 a. m. | .985 | 59.0 | 44.8 | ..... | ..... | 35.2 | 0.44 | S. W. | 5 | .....do ..... | S. W. | 9 | |
| | 11.00 a. m. | .993 | 60.0 | 45.0 | ..... | ..... | 34.5 | 0.42 | S. W. | 5 | Cumulus, cirro-cumulus | S. W. | 8 | |
| | 12.00 m ... | .999 | 60.3 | 45.2 | ..... | ..... | 34.5 | 0.42 | S. W. | 4 | Cumulus..... | S. W. | 9 | |
| | 1.00 p. m. | 23.007 | 60.0 | 44.2 | ..... | ..... | 32.8 | 0.39 | S. W. | 5 | .....do ..... | S. W. | 9 | Wind in gusts—6. |
| | 2.00 p. m. | .008 | 60.0 | 44.3 | ..... | ..... | 32.8 | 0.39 | S. W. | 5 | .....do ..... | S. W. | 8 | |
| | 3.00 p. m. | .029 | 58.0 | 45.0 | ..... | ..... | 35.9 | 0.47 | S. W. | 5 | .....do ..... | S. E. | 8 | Wind in gusts—6. Rain in W. |
| | 4.00 p. m. | .026 | 60.1 | 45.1 | ..... | ..... | 34.5 | 0.42 | S. W. | 5 | .....do ..... | S. E. | 8 | |
| | 5.00 p. m. | .047 | 58.0 | 45.0 | ..... | ..... | 35.9 | 0.47 | S. W. | 4 | Cumulus, nimbus ..... | W. S. W. | 6 | |
| | 6.00 p. m. | .083 | 54.1 | 43.0 | ..... | ..... | 32.0 | 0.47 | W. | 3 | .....do ..... | W. | 4 | |
| | 7.00 p. m. | .122 | 52.0 | 40.2 | ..... | ..... | 28.2 | 0.44 | W. | 1 | ..... | ..... | 0 | |
| Aug. 21 | 7.00 a. m. | .301 | 19.0 | ... | ..... | 19.0 | ... | ..... | ..... | 0 | ..... | ..... | 0 | |
| Aug. 23 | 6.30 p. m. | 22.635 | 58.9 | 42.9 | ..... | ..... | 31.8 | 0.39 | S. W. | 2 | Cumulus..... | ..... | 3 | |
| Aug. 24 | 6.00 a. m. | .653 | 38.0 | 34.1 | ..... | 33.1 | 28.0 | 0.70 | S. W. | 1 | Cumulus, stratus..... | ..... | 1 | |
| | 7.00 a. m. | .654 | 45.1 | 39.0 | ..... | ..... | 32.4 | 0.64 | S. W. | 1 | .....do ..... | ..... | 1 | |
| | 8.00 a. m. | .655 | 53.0 | 43.6 | ..... | ..... | 35.0 | 0.54 | S. W. | 1 | .....do ..... | ..... | 1 | |
| Aug. 30 | 7.00 a. m. | 23.130 | 41.0 | 40.0 | ..... | 34.0 | 38.8 | 0.93 | ..... | 0 | Cirro-cumulus ..... | ..... | 4 | Dense fog. |
| | 2.00 p. m. | .004 | 63.5 | 55.0 | ..... | ..... | 49.4 | 0.63 | ..... | 0 | Cumulus, nimbus ..... | ..... | 8 | Rain. |
| | 9.00 p. m. | .007 | 53.2 | 47.2 | ..... | ..... | 41.0 | 0.66 | N. W. | 1 | Nimbus, cumulus ..... | N. W. | 7 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. | 1 | 7.00 a. m. | .075 | 51.2 | 48.3 | ..... | 44.1 | 45.0 | 0.81 | ..... | 0 | Nimbus, cumulus..... | S. | 9 | |
| | | 8.00 a. m. | .079 | 54.8 | 52.2 | ..... | ..... | 49.9 | 0.84 | ..... | 0 | .....do..... | S. | 10 | |

*Camp 33, Upper Geyser Basin.*

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. | 2 | 7.00 a. m. | 23.021 | 54.6 | 51.2 | ..... | 36.0 | 48.2 | 0.79 | S. S. W. | 1 | Cumulus, cirro-cumulus. | W. | 3 | Elevation, 7,394 feet. |
| | | 2.00 p. m. | 22.963 | 73.0 | 64.3 | ..... | ..... | 59.5 | 0.64 | S. W. | 1 | .....do..... | ..... | 4 | |
| | | 9.00 p. m. | .976 | 54.0 | 51.0 | 84.0 | ..... | 48.0 | 0.81 | ..... | 0 | Cumulus..... | S. | 1 | |
| Sept. | 3 | 7.00 a. m. | .970 | 52.5 | 51.3 | ..... | 37.8 | 50.0 | 0.93 | ..... | 0 | Cumulus, cirrus..... | ..... | 7 | |

*Camp 34, Firehole River.*

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. | 3 | 4.00 p. m. | 22.650 | 59.8 | 58.4 | ..... | ..... | 56.6 | 0.89 | S. W. | 1 | Nimbus, cirrus..... | S. W. | 6 | Showers at 2 p. m. |
| | | 5.00 p. m. | .639 | 58.0 | 57.1 | ..... | ..... | 56.3 | 0.95 | S. | 1 | Cirrus, cumulus..... | S. | 2 | Elevation, 7,579 feet. |
| | | 6.00 p. m. | .645 | 52.3 | 51.3 | ..... | ..... | 50.0 | 0.93 | W. | 1 | Cirro-cumulus, cirrus. | ..... | 2 | |
| | | 7.00 p. m. | .643 | 51.4 | 51.2 | ..... | ..... | 51.0 | 1.00 | ..... | 0 | Cirrus, cumulus..... | S. | 1 | Foggy at 8 p. m. |
| Sept. | 4 | 7.00 a. m. | .646 | 49.0 | 48.2 | ..... | 45.0 | 46.9 | 0.93 | ..... | 0 | Nimbus, cumulus..... | S. W. | 9 | Heavy showers after midnight. |
| | | 8.00 a. m. | .644 | 52.5 | 52.0 | ..... | ..... | 52.0 | 1.00 | S. W. | 1 | Cumulus, cirro-cumulus. | ..... | 3 | |

*Camp 35, head of Firehole River.*

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. | 4 | 6.30 a. m. | 22.148 | 51.2 | 49.6 | ..... | ..... | 49.6 | 0.93 | S. | 1 | Nimbus, cumulus..... | ..... | 9 | Elevation, 8,320 feet. |
| Sept. | 5 | 7.15 a. m. | .135 | 39.1 | 39.1 | ..... | 35.0 | 39.0 | 1.00 | ..... | 0 | Nimbus..... | ..... | 10 | Snowed all night. |
| | | 9.00 a. m. | .146 | 42.7 | 41.2 | ..... | ..... | 38.6 | 0.86 | ..... | 0 | .....do..... | ..... | 10 | Snowing. |
| | | 10.00 a. m. | .139 | 47.0 | 45.8 | ..... | ..... | 44.9 | 0.93 | ..... | ..... | .....do..... | ..... | 10 | Sleeting. |
| | | 12.00 m ... | .153 | 51.0 | 49.0 | ..... | ..... | 47.0 | 0.87 | S. W. | 2 | .....do..... | ..... | 10 | Raining. |
| | | 1.00 p. m. | .162 | 49.0 | 48.0 | ..... | ..... | 46.9 | 0.93 | ..... | ..... | .....do..... | ..... | 10 | } |
| | | 3.00 p. m. | .174 | 46.0 | 44.9 | ..... | ..... | 43.9 | 0.93 | ..... | ..... | .....do..... | ..... | 10 | } |
| | | 4.00 p. m. | .176 | 42.5 | 42.0 | ..... | ..... | 42.0 | 1.00 | ..... | ..... | .....do..... | ..... | 10 | } Sleet and rain. |
| | | 5.00 p. m. | .193 | 45.5 | 43.5 | ..... | ..... | 40.8 | 0.86 | ..... | ..... | .....do..... | ..... | 10 | } |
| | | 7.00 p. m. | .169 | 42.5 | 41.2 | 52.0 | ..... | 39.8 | 0.93 | ..... | ..... | .....do..... | ..... | 10 | Sleeting. |
| Sept. | 6 | 7.00 a. m. | .256 | 39.5 | 38.6 | ..... | 27.0 | 36.5 | 0.92 | W. | 1 | .....do..... | W. | 10 | |

*Snake River Division, Camp 36, Shoshone Lake.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 6 | 2.00 p. m. | 22.632 | 51.0 | 50.2 | ..... | ..... | 49.0 | 0.93 | S. W. | 1 | Cumulus, cirrus, nimbus. | ..... | 4 | Elevation, 7,881 feet. |
| | 9.00 p. m. | .682 | 35.5 | 35.2 | ..... | ..... | 35.0 | 1.00 | ..... | 0 | ..... | ..... | 0 | Slight fog. |
| Sept. 7 | 7.00 a. m. | .705 | 39.4 | 39.0 | ..... | 31.0 | 39.0 | 1.00 | E. | 1 | ..... | ..... | ..... | Foggy. |
| | 2.00 p. m. | .701 | 67.0 | 58.6 | ..... | ..... | 54.2 | 0.65 | S. W. | 1 | Cirrus, cirro-cumulus | ..... | 3 | |
| | 9.00 p. m. | .683 | 33.5 | 32.0 | 67.1 | ..... | 31.0 | 0.91 | ..... | 0 | ..... | ..... | 0 | |
| Sept. 8 | 7.00 a. m. | .611 | 42.0 | 41.8 | ..... | 28.8 | 42.0 | 1.00 | ..... | 0 | ..... | ..... | ..... | Foggy. |
| | 9.00 a. m. | .591 | 54.1 | 46.0 | ..... | ..... | 38.0 | 0.58 | W. | 2 | ..... | ..... | 0 | |
| | 10.00 a. m. | .581 | 58.1 | 52.0 | ..... | ..... | 47.8 | 0.71 | S. | 1 | Cirrus | N. W. | 1 | |
| | 11.00 a. m. | .577 | 56.8 | 53.2 | ..... | ..... | 50.2 | 0.80 | W. | 1 | ....do | W. | 1 | |
| | 1.00 p. m. | .562 | 57.5 | 54.0 | ..... | ..... | 51.9 | 0.84 | W. | 3 | Cumulus | W. | 2 | Rain in afternoon. |
| | 9.00 p. m. | .481 | 49.0 | 45.0 | 60.0 | ..... | 40.6 | 0.75 | W. | 3 | .....do | W. | 3 | |
| Sept. 9 | 7.00 a. m. | .609 | 39.0 | 35.6 | ..... | 32.0 | 31.5 | 0.77 | S. W. | 1 | Cirro-cumulus, cumulus, nimbus. | ..... | 3 | |

*Camp 37, Shoshone Lake.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 9 | 7.00 p. m. | 22.744 | 41.2 | 35.1 | ..... | ..... | 27.8 | 0.63 | ..... | 0 | Cumulus, stratus | ..... | 4 | Snow fell for 15 minutes at 12.30. |
| | 8.00 p. m. | .763 | 28.0 | 28.0 | ..... | ..... | 28.0 | 1.00 | ..... | 0 | ..... | ..... | 0 | Elevation, 7,874 feet. |
| | 9.00 p. m. | .745 | 27.9 | 37.9 | ..... | ..... | 28.0 | 1.00 | S. | 1 | ..... | ..... | 0 | |
| Sept. 10 | 7.00 a. m. | .778 | 26.4 | 26.4 | ..... | 17.4 | 26.0 | 1.00 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 a. m. | .776 | 40.8 | 33.6 | ..... | ..... | 25.6 | 0.58 | W. | 2 | ..... | ..... | 0 | |
| | 9.00 a. m. | .786 | 52.0 | 41.9 | ..... | ..... | 32.0 | 0.50 | ..... | 0 | ..... | ..... | 0 | |
| | 10.00 a. m. | .779 | 56.6 | 42.2 | ..... | ..... | 31.5 | 0.41 | W. S. W. | 1 | ..... | ..... | 0 | |
| | 11.00 a. m. | .778 | 47.1 | 42.3 | ..... | ..... | 36.5 | 0.70 | W. | 1 | ..... | ..... | 0 | |
| | 12.00 m ... | .773 | 52.5 | 43.2 | ..... | ..... | 34.0 | 0.53 | W. | 2 | ..... | ..... | 0 | |
| | 1.00 p. m. | .764 | 53.9 | 43.0 | ..... | ..... | 32.0 | 0.47 | W. | .2 | ..... | ..... | 0 | |

## *Camp* 38, *Lewis's Lake.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 10 | 6.00 p. m. | 22.796 | 51.7 | 42.1 | ..... | ..... | 32.0 | 0.50 | ..... | 0 | Cirrus, cirro-cumulus, cumulus. | W. | 5 | Elevation, 7,835 feet. |
| | 7.00 p. m. | .812 | 42.1 | 39.0 | ..... | ..... | 35.4 | 0.80 | ..... | 0 | ..... | ..... | 0 | |
| | 8.00 p. m. | .826 | 39.2 | 35.4 | ..... | ..... | 29.0 | 0.70 | ..... | 0 | ..... | ..... | 0 | |
| | 9.00 p. m. | .834 | 37.6 | 35.2 | ..... | ..... | 30.5 | 0.77 | N. | 1 | ..... | ..... | 0 | |
| Sept. 11 | 7.00 a. m. | .863 | 30.6 | 31.5 | ..... | 28.3 | 31.0 | 1.00 | ..... | 0 | ..... | ..... | 0 | Slightly foggy. |
| | 8.00 a. m. | .865 | 36.7 | 37.2 | ..... | ..... | 37.0 | 1.00 | ..... | 0 | ..... | ..... | 0 | |
| | 9.15 a. m. | .865 | 44.8 | 42.5 | ..... | ..... | 40.8 | 0.86 | ..... | 0 | ..... | ..... | 0 | |
| | 2.00 p. m. | .833 | 64.0 | ..... | ..... | ..... | ..... | ..... | S. W. | 2 | Cirrus, cumulus | ..... | 8 | |
| | 9.00 p. m | .835 | 44.0 | ..... | 66.5 | ..... | ..... | ..... | ..... | 0 | ..... | ..... | 0 | |
| Sept. 12 | 7.00 a. m. | .853 | 32.5 | ..... | ..... | ..... | ..... | ..... | ..... | 0 | ..... | ..... | 0 | Minimum, foot of Mount Sheridan, 22. |
| | 2.00 p. m. | .805 | 66.0 | ..... | 65.9 | ..... | ..... | ..... | S. S. W. | 2 | Cirrus, cumulus, stratus | ..... | 1 | |

## *Camp* 39, *Lewis's Fork.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 13 | 4.00 p. m. | 22.827 | 65.0 | 53.0 | ..... | ..... | 45.8 | 0.52 | S. W. | 2 | Cirrus, cirro-cumulus | S. W. | 2 | Elevation, 7,750 feet. |
| | 5.00 p. m. | .820 | 56.9 | 47.0 | ..... | ..... | 40.0 | 0.56 | S. W. | 1 | .....do | S. W. | 2 | |
| | 6.00 p. m. | .829 | 49.6 | 43.5 | ..... | ..... | 36.0 | 0.61 | S. W. | 1 | Cirro-cumulus | S. W. | 1 | |
| | 8.30 p. m. | .825 | 40.0 | 39.0 | ..... | ..... | 37.8 | 0.93 | ..... | 0 | ..... | ..... | 0 | |
| Sept. 14 | 6.00 a. m. | .850 | 26.5 | 26.5 | ..... | 24.2 | 26.0 | 1.00 | ..... | 0 | Cirrus, cumulus | ..... | 4 | Heavy dew. |

## *Camp* 40, *mouth Lewis's Fork.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 14 | 3.00 p. m. | 23.485 | 64.3 | 54.2 | ..... | ..... | 43.6 | 0.50 | S. W. | 3 | Cumulus, nimbus | ..... | 7 | Elevation, 6,892 feet. |
| | 4.00 p. m. | .466 | 63.3 | 47.2 | ..... | ..... | 35.8 | 0.40 | S. W. | 2 | Nimbus, cumulus, cirrus. | W. | 8 | |
| | 5.00 p. m. | .471 | 60.4 | 46.3 | ..... | ..... | 36.2 | 0.44 | W. S. W. | 1 | Nimbus, cumulus | W. | 8 | |
| | 6.00 p. m. | .495 | 55.6 | 45.8 | ..... | ..... | 39.0 | 0.56 | ..... | 0 | Cumulus, cirro-cumulus, cirrus. | W. N. W. | 6 | |
| | 7.00 p. m. | .520 | 49.7 | 43.2 | ..... | ..... | 36.0 | 0.61 | S. W. | 1 | Cumulus, cirrus, stratus | W. | 5 | |
| Sept. 15 | 7.00 a. m. | .667 | 35.0 | 32.0 | ..... | 23.0 | 27.5 | 0.76 | S. | 1 | Cirrus | W. | 1 | |
| | 8.00 a. m. | .660 | 38.1 | 37.2 | ..... | ..... | 35.5 | 0.92 | S. | 1 | Cirrus, cirro-stratus | W. | 1 | |
| | 9.00 a. m. | .667 | 48.2 | 43.1 | ..... | ..... | 39.5 | 0.70 | S. | 1 | .....do | ..... | 1 | |
| | 10.00 a. m. | .653 | 55.0 | 45.5 | ..... | ..... | 38.0 | 0.56 | S. | 1 | Cirro-stratus | ..... | 1 | |
| | 11.00 a. m. | .635 | 64.9 | 45.8 | ..... | ..... | 34.6 | 0.35 | S. | 2 | .....do | ..... | 1 | |
| | 12.00 m ... | .631 | 66.3 | 50.2 | ..... | ..... | 40.4 | 0.42 | S. | 1 | ..... | ..... | 0 | |
| | 1.00 p. m. | .624 | 67.0 | 53.2 | ..... | ..... | 44.6 | 0.47 | W. | 1 | ..... | ..... | 0 | Wind in gusts, 2. |
| | 2.00 p. m. | .616 | 67.2 | 56.3 | ..... | ..... | 49.4 | 0.55 | W. | 1 | ..... | ..... | 0 | |

*Snake River Division—Camp 40, mouth Lewis's Fork*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 15 | 3.00 p. m. | 23.616 | 64.3 | 50.6 | ..... | ..... | 41.9 | 0.47 | S. W. | 1 | Cirrus, stratus | ..... | 1 | |
| | 4.00 p. m. | .613 | 64.2 | 54.0 | ..... | ..... | 47.0 | 0.56 | S. W. | 1 | Cirrus, cirro-cumulus | ..... | 5 | |
| | 5.00 p. m. | .615 | 61.4 | 52.4 | ..... | ..... | 45.7 | 0.60 | S. W. | 1 | do | ..... | 4 | |
| | 6.00 p. m. | .621 | 49.2 | 45.8 | 68.9 | ..... | 42.7 | 0.81 | N. N. W. | 1 | Cirrus | ..... | 3 | |
| Sept. 16 | 7.00 a. m. | .632 | 35.0 | 31.7 | ..... | 21.8 | 27.5 | 0.76 | N. N. W. | 1 | Cirro-stratus, cirrus | ..... | 5 | |
| | 2.00 p. m. | .552 | 71.9 | 56.3 | ..... | ..... | 48.0 | 0.45 | W. N. W. | 1 | Cirrus, cirro-stratus, cirro-cumulus. | ..... | 8 | |
| | 9.00 p. m. | .562 | 39.3 | 37.0 | 72.0 | ..... | 34.0 | 0.84 | W. | 1 | Cirrus, cirro-stratus | ..... | 2 | |

*Camp 40a, Jackson's Lake.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 18 | 6.15 a. m. | 23.103 | 21.2 | 20.5 | ..... | 19.7 | 17.6 | 0.88 | ..... | 0 | ..... | ..... | 0 | Elevation, 7,530 feet. |

*Camp 41, Jackson's Lake.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 20 | 7.00 a. m. | 23.300 | 40.0 | 37.8 | ..... | 17.2 | 35.6 | 0.86 | N. W. | 2 | Nimbus, cumulus | N. W. | 10 | Elevation, 6,817 feet. |
| | 8.00 a. m. | .327 | 37.0 | 36.8 | ..... | ..... | 37.0 | 1.00 | N. W. | 2 | Nimbus | ..... | 10 | Raining. |
| | 9.00 a. m. | .313 | 40.7 | 40.8 | ..... | ..... | 41.0 | 1.00 | N. W. | 1 | Nimbus, cumulus | ..... | 10 | |
| | 10.00 a. m. | .323 | 43.2 | 41.0 | ..... | ..... | 38.6 | 0.86 | W. N. W. | 1 | do | ..... | 10 | |
| | 11.00 a. m. | .315 | 46.6 | 42.1 | ..... | ..... | 36.5 | 0.70 | W. | 1 | do | ..... | 9 | |
| | 12.00 m | .313 | 47.2 | 39.8 | ..... | ..... | 32.3 | 0.60 | W. | 1 | do | ..... | 8 | |
| | 1.00 p. m. | .307 | 46.3 | 39.4 | ..... | ..... | 31.3 | 0.60 | W. | 1 | Cumulus, cirro-cumulus | N. | 6 | Clearing from northward |
| | 2.00 p. m. | .303 | 48.8 | 40.3 | ..... | ..... | 30.1 | 0.52 | S. W. | 1 | Cumulus, cumulo-stratus, cirrus. | N. W. | 5 | |
| | 3.00 p. m. | .320 | 48.3 | 38.2 | ..... | ..... | 27.0 | 0.48 | W. | 1 | do | N. W. | 5 | |
| | 4.00 p. m. | .319 | 45.9 | 39.7 | ..... | ..... | 33.4 | 0.64 | ..... | 0 | Cumulus, cirro-stratus. | N. W. | 7 | |
| | 5.00 p. m. | .339 | 44.8 | 41.0 | ..... | ..... | 36.6 | 0.74 | ..... | 0 | Cumulus, cumulo-stratus. | ..... | 8 | |
| | 6.00 p. m. | .349 | 37.2 | 37.0 | ..... | ..... | 37.0 | 1.00 | S. | 1 | Cumulus, stratus | ..... | 9 | |
| | 7.00 p. m. | .352 | 32.1 | 29.0 | ..... | ..... | 23.3 | 0.73 | ..... | 0 | do | ..... | 5 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8.00 p. m. | .352 | 31.2 | 28.8 | ..... | ..... | 24.4 | 0.79 | W. | 1 | .....do ..... | ..... | 4 | |
| | 9.00 p. m. | .360 | 25.2 | 25.0 | 51.2 | ..... | 25.0 | 1.00 | N. W. | 1 | .....do ..... | ..... | 6 | |
| Sept. 21 | 9.30 a. m. | .376 | 53.2 | 36.1 | ..... | 4.5 | 19.0 | 0.22 | ..... | 0 | Cumulus..... | ..... | 4 | |

*Camp 41a, Jackson's Lake.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 21 | 5.00 p. m. | 23.280 | 47.0 | 37.5 | ..... | ..... | 26.0 | 0.48 | S. | 1 | Cumulus, nimbus ..... | ..... | 8 | Elevation, 6,811 feet. |
| | 6.00 p. m. | .285 | 46.1 | 38.0 | ..... | ..... | 29.2 | 0.55 | W. | 1 | Nimbus..... | W. | 10 | |
| | 7.00 p. m | .294 | 45.5 | 36.3 | ..... | ..... | 26.1 | 0.51 | W. | 4 | .....do ..... | W. | 9 | |
| Sept. 22 | 7.00 a. m. | .233 | 37.8 | 36.0 | ..... | 39.0 | 33.0 | 0.84 | W. | 1 | .....do ..... | ..... | 10 | |
| | 10.00 a. m. | .225 | 43.0 | 38.5 | ..... | ..... | 32.0 | 0.68 | ..... | 0 | .....do ..... | ..... | 10 | Snowing. |

*Camp 42, Jackson's Lake.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 22 | 5.00 p. m. | 23.216 | 36.5 | 34.4 | ..... | ..... | 31.0 | 0.84 | S. | 1 | Nimbus..... | ..... | 10 | Elevation, 6,808 feet. |
| | 6.00 p. m. | .217 | 36.0 | 33.0 | ..... | ..... | 28.5 | 0.76 | S. W. | 1 | .....do ..... | ..... | 10 | |
| | 7.00 p. m. | .219 | 35.0 | 32.1 | ..... | ..... | 27.5 | 0.76 | S. W. | 1 | .....do ..... | ..... | 10 | Snowing. |
| Sept. 23 | 9.00 a. m. | .237 | 33.4 | 30.8 | ..... | 30.4 | 27.4 | 0.82 | S. | 1 | .....do ..... | ..... | 10 | Snowing since daylight. |
| | 10.00 a. m. | .233 | 38.0 | 33.7 | ..... | ..... | 23.0 | 0.59 | S. | 1 | Nimbus, cumulus ..... | S. E. | 7 | Clearing. |
| | 11.00 a. m. | .237 | 58.7 | 42.3 | ..... | ..... | 30.1 | 0.37 | S. W. | 2 | Cumulus, cirrus..... | S. E. | 5 | |
| | 12.00 m ... | .251 | 43.7 | 32.2 | ..... | ..... | 18.0 | 0.38 | S. | 2 | Cumulus, nimbus..... | S. | 8 | |
| | 1.00 p. m. | .232 | 47.7 | 36.0 | ..... | ..... | 22.0 | 0.41 | S. W. | 1 | .....do ..... | N. | 6 | Snow-squalls. |
| | 2.00 p. m. | .240 | 38.3 | 31.9 | ..... | ..... | 23.0 | 0.59 | S. S. E. | 1 | .....do ..... | S. | 8 | |
| | 3.20 p. m. | .265 | 37.0 | 31.8 | ..... | ..... | 24.5 | 0.64 | S. S. E. | 2 | .....do ..... | S. | 8 | |
| | 4.00 p. m. | .282 | 31.6 | 30.2 | ..... | ..... | 25.8 | 0.80 | W. S. W. | 1 | Nimbus..... | S. W. | 10 | Snowing. |
| | 5.00 p. m. | .311 | 28.9 | 29.0 | ..... | ..... | 29.0 | 1.00 | N. W. | 1 | Nimbus, cumulus, cirrus. | S. W. | 8 | |
| | 6.00 p. m. | .313 | 29.2 | 29.2 | ..... | ..... | 29.0 | 1.00 | W. | 1 | .....do ..... | ..... | 9 | |
| | 7.00 p. m. | .321 | 29.0 | 29.0 | ..... | ..... | 29.0 | 1.00 | W. | 1 | .....do ..... | ..... | 9 | Snowing. |
| | 8.00 p. m. | .340 | 28.6 | 28.0 | 60.1 | ..... | 28.0 | 1.00 | W. | 1 | .....do ..... | ..... | 9 | |
| Sept. 24 | 9.00 a. m. | .569 | 33.0 | 32.5 | ..... | 15.5 | 31.6 | 0.95 | S. W. | 1 | Cumulus..... | S. W. | 9 | |
| | 10.00 a. m. | .569 | 35.8 | 31.8 | ..... | ..... | 26.0 | 0.70 | S. W. | 1 | .....do ..... | S. W. | 7 | |
| | 11.00 a. m. | .568 | 34.0 | 32.1 | ..... | ..... | 28.8 | 0.83 | S. W. | 1 | .....do ..... | S. W. | 7 | |
| | 12.00 m ... | .571 | 38.0 | 32.1 | ..... | ..... | 23.0 | 0.59 | S. W. | 2 | .....do ..... | S. W. | 6 | |
| | 1.00 p. m. | .573 | 40.0 | 32.0 | ..... | ..... | 22.4 | 0.53 | S. W. | 2 | .....do ..... | S. W. | 6 | |
| | 2.00 p. m. | .573 | 37.0 | 32.0 | ..... | ..... | 24.5 | 0.64 | S. W. | 2 | .....do ..... | S. W. | 6 | |
| Sept. 24 | 3.00 p. m. | 23.569 | 35.0 | 31.9 | ..... | ..... | 27.5 | 0.76 | S. W. | 1 | .....do ..... | S. W. | 6 | |
| | 4.00 p. m. | .566 | 36.1 | 31.5 | ..... | ..... | 23.7 | 0.64 | S. W. | 1 | .....do ..... | S. W. | 6 | |
| | 5.00 p. m. | .563 | 36.0 | 31.3 | ..... | ..... | 23.5 | 0.64 | ..... | 0 | .....do ..... | W. S. W. | 6 | |
| | 6.00 p. m. | .570 | 30.0 | 29.0 | ..... | ..... | 25.9 | 0.86 | ..... | 0 | .....do ..... | W. S. W. | 4 | |
| | 7.00 a. m. | .570 | 25.5 | 25.2 | 45.0 | ..... | 25.0 | 1.00 | ..... | 0 | .....do ..... | W. S. W. | 3 | |

[*Snake River Division, Camp 43, near Mount Hayden.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Sept. 26 | 9.00 a. m. | 23.427 | 32.8 | 31.9 | ..... | 13.5 | 30.2 | 0.91 | E. | 1 | ..... | ..... | 0 | Elevation, 6,955 feet. |
| | 6.00 p. m. | .311 | 40.7 | 39.0 | ..... | ..... | 36.6 | 0.86 | ..... | 0 | ..... | ..... | 0 | |
| Sept. 27 | 7.00 a. m. | .246 | 35.2 | 35.2 | ..... | 28.6 | 35.0 | 1.00 | ..... | 0 | Cumulus, cumulo-cirrus. | W. | 6 | |
| | 2.00 p. m. | .234 | 48.5 | 42.5 | ..... | ..... | 35.4 | 0.65 | W. | 1 | Nimbus, cumulus ..... | N. 12°. | 8 | Snow in squalls frequently during past hours; shower with thunder at 5 p. m. |
| | 9.00 p. m. | .356 | 33.3 | 32.8 | 51.8 | ..... | 33.0 | 1.00 | W. | 1 | Cumulus..... | W. | 4 | |
| Sept. 28 | 7.00 a. m. | .520 | 29.3 | 27.3 | ..... | 15.7 | 27.0 | 1.00 | N. W. | 1 | .....do ..... | N. W. | 2 | |

*Camp 44, Snake River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 29 | 7.00 a. m. | 24.043 | 27.2 | 26.4 | ..... | 14.5 | 21.5 | 0.82 | E. | 1 | Cirro-stratus..... | ..... | ½ | Elevation, 6,446 feet. |
| | 2.00 p. m. | .967 | 57.9 | 45.0 | ..... | ..... | 35.9 | 0.47 | S. E. | 2 | Cirrus ..... | ..... | 1 | |
| | 9.00 p. m. | 23.986 | 33.7 | 32.0 | 65.0 | ..... | 28.8 | 0.83 | N. E. | 1 | ..... | ..... | 0 | |
| Sept. 30 | 7.00 a. m. | .986 | 30.1 | 28.1 | ..... | 17.0 | 21.7 | 0.74 | E. N. E. | 1 | ..... | ..... | 0 | |

*Camp 45, Snake River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 30 | 4.00 p. m. | 24.049 | 64.8 | 49.0 | 78.0 | ..... | 39.4 | 0.42 | ..... | 0 | ..... | ..... | 0 | Very sultry; elevation, 6,234 feet. |
| | 5.00 p. m. | .032 | 61.2 | 48.0 | ..... | ..... | 38.9 | 0.47 | ..... | 0 | Cirrus ..... | ..... | 1 | |
| Oct. 1 | 7.00 a. m. | .110 | 31.8 | 31.2 | ..... | 18.0 | 31.0 | 1.00 | E. | 1 | .....do ..... | ..... | 2 | |

## *Camp 46, near Téton Pass.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 1 | 5.00 p. m. | 23.913 | 56.4 | 47.8 | ..... | ..... | 42.4 | 0.63 | W. | ½ | Cirrus, cirro-cumulus. | W. | 3 | Elevation, 6,317 feet. |
| | | 6.00 p. m. | .926 | 48.0 | 43.5 | ..... | ..... | 37.5 | 0.70 | W. | 1 | .....do ..... | W. | 2 | |
| | | 7.00 p. m. | .914 | 46.9 | 42.8 | ..... | ..... | 38.6 | 0.75 | S. | 1 | Stratus ..... | ..... | 1 | |
| | | 8.00 p. m. | .927 | 44.0 | 40.0 | ..... | ..... | 35.2 | 0.74 | ..... | 0 | ..... | ..... | 0 | |
| Oct. | 2 | 7.00 a. m. | 24.004 | 30.5 | 30.5 | ..... | 28.3 | 30.0 | 1.00 | ..... | 0 | ..... | ..... | 0 | |

## *Camp 47, near Téton Pass.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 2 | 4.00 p. m. | 23.916 | 65.5 | 50.3 | ..... | ..... | 41.0 | 0.44 | S. W. | 2 | Cirro-cumulus, nimbus. | S. | 4 | Elevation, 6,312 feet. |
| | | 5.00 p. m. | .919 | 57.0 | 47.5 | ..... | ..... | 40.0 | 0.56 | S. | 1 | Cirrus, cumulus, cumulo-nimbus. | S. | 8 | |
| | | 6.00 p. m. | .922 | 58.0 | 47.5 | ..... | ..... | 39.3 | 0.53 | S. W. | 2 | Cumulus, nimbus..... | S. | 7 | |
| | | 7.00 p. m. | .918 | 54.6 | 48.6 | ..... | ..... | 44.8 | 0.71 | S. | 1 | Nimbus ..... | S. | 9 | |
| | | 8.00 p. m. | .927 | 50.6 | 47.2 | ..... | ..... | 43.0 | 0.76 | S. | 1 | Nimbus, cumulus..... | S. | 7 | |
| Oct. | 3 | 7.00 a. m. | .899 | 40.0 | 37.2 | ..... | 35.5 | 33.4 | 0.79 | E. | 6 | Cirrus, cirro-cumulus.. | ..... | 6 | |

## *Camp 48, Téton Basin.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 3 | 3.00 p. m. | 23.990 | 60.8 | 45.5 | ..... | ..... | 33.8 | 0.39 | S. S. W. | 2 | Cumulus, cirrus..... | S. | 2 | } Nimbus N. W. Wind in squalls, 4. |
| | | 4.00 p. m. | 24.002 | 54.4 | 40.0 | ..... | ..... | 26.0 | 0.37 | S. W. | 2 | Cirrus, cirro-cumulus. | S. W. | 8 | |
| | | 5.00 p. m. | .052 | 45.8 | 36.2 | ..... | ..... | 25.0 | 0.48 | W. S. W. | 2 | Cirrus, cumulus, nimbus. | S. | 9 | Elevation, 6,408 feet. |
| | | 6.00 p. m. | .006 | 44.0 | 34.5 | ..... | ..... | 24.2 | 0.50 | W. | 2 | Cumulus, nimbus ..... | S. W. | 4 | |
| | | 7.00 p. m. | .015 | 43.0 | 35.1 | ..... | ..... | 25.4 | 0.53 | S. W. | 3 | Cumulus..... | S. W. | 1 | |
| | | 8.00 p. m. | .021 | 37.8 | 34.0 | ..... | ..... | 28.0 | 0.70 | S. | 1 | .....do ..... | S. W. | 1 | |
| Oct. | 4 | 7.00 a. m. | .087 | 29.5 | 28.8 | ..... | 18.1 | 29.0 | 1.00 | S. W. | 1 | Cirrus, cumulus..... | ..... | 1 | |

## *Camp 49, Cañon Creek.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 4 | 4.00 p. m. | 24.418 | 60.0 | 52.4 | ..... | ..... | 46.4 | 0.63 | S. W. | 1 | Cumulus..... | W. | 1 | Elevation, 5,804 feet. |
| | | 7.00 p. m. | .446 | 30.0 | 29.2 | ..... | ..... | 25.9 | 0.86 | ..... | 0 | ..... | ..... | 0 | |
| | | 8.00 p. m. | .468 | 30.4 | 29.9 | ..... | ..... | 30.0 | 1.00 | ..... | 0 | Stratus, cumulus..... | ..... | 1 | |
| Oct. | 5 | 7.00 a. m. | .559 | 28.9 | 28.9 | ..... | 17.0 | 29.0 | 1.00 | S. | 1 | Cirrus ..... | ..... | 4 | |
| | | 8.30 a. m. | .544 | 50.6 | 47.7 | ..... | ..... | 46.0 | 0.87 | S. | 1 | Cirrus, cirro-stratus... | ..... | 1 | |

## *Snake River Division, Camp 50, Moody Creek.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Maximum. | Minimum. | Dew-point. | Relative humidity. | Direction of wind. | Velocity of wind. | Character of clouds. | Direction from— | Amount of clouds. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | | |
| Oct. 5 | 3.00 p. m. | 25.037 | 65.1 | 54.8 | ..... | ..... | 49.0 | 0.58 | ..... | 0 | Cirrus, cirro-stratus... | ..... | 4 | Elevation, 5,266 feet. |
| | 4.00 p. m. | .036 | 59.9 | 51.6 | ..... | ..... | 46.4 | 0.63 | S. | 1 | .....do ..... | ..... | 4 | |
| | 6.00 p. m. | 24.993 | 44.2 | 41.1 | ..... | ..... | 37.4 | 0.80 | S. | 1 | .....do ..... | ..... | 9 | |
| | 7.00 p. m. | .991 | 41.8 | 40.0 | ..... | ..... | 37.6 | 0.86 | S. | 1 | Stratus ..... | ..... | 2 | |
| | 8.00 p. m. | 25.058 | 41.2 | 39.4 | 71.0 | ..... | 35.4 | 0.80 | S. | ½ | .....do ..... | ..... | 1 | Very faint aurora borealis. |
| Oct. 6 | 7.00 a. m. | .112 | 34.2 | 34.1 | ..... | 27.0 | 34.0 | 1.00 | ..... | 0 | Cirrus, stratus ..... | ..... | 1 | Aurora bright at 12 last night. |
| | 8.00 a. m. | .103 | 46.2 | 43.2 | ..... | ..... | 39.7 | 0.80 | ..... | 0 | .....do ..... | ..... | 1 | |

## *Camp 51, Snake River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 6 | 5.00 p. m. | 25.252 | 59.2 | 54.0 | ..... | ..... | 50.5 | 0.75 | S. | ¼ | Cirrus ..... | ..... | 3 | Elevation, 5,030 feet. |
| | 6.00 p. m. | .215 | 51.1 | 46.8 | ..... | ..... | 43.0 | 0.76 | S. E. | 1 | .....do ..... | ..... | 6 | |
| | 9.00 p. m. | .227 | 43.4 | 42.8 | 75.3 | ..... | 43.0 | 1.00 | E. | ½ | ..... | ..... | 0 | |
| Oct. 7 | 7.00 a. m | .230 | 38.5 | 38.0 | ..... | 33.5 | 38.0 | 1.00 | E. | 1 | ..... | ..... | 0 | |

## *Camp 52, Snake River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 7 | 2.00 p. m. | 25.118 | 74.5 | 52.8 | ..... | ..... | 42.5 | 0.35 | S. S. W. | 2 | Cirrus ..... | ..... | 2 | Elevation, 5,040 feet. |
| | 9.00 p. m. | .016 | 53.2 | 48.2 | 78.0 | ..... | 43.0 | 0.71 | S. S. W. | 1 | ..... | ..... | 0 | |
| Oct. 8 | 7.00 a. m. | .054 | 48.0 | 44.5 | ..... | 42.1 | 39.6 | 0.75 | S. | 3 | ..... | ..... | 0 | |
| | 2.00 p. m. | 24.974 | 72.3 | 53.8 | ..... | ..... | 45.0 | 0.41 | S. | 3 | ..... | ..... | 0 | |
| | 9.00 p. m. | 25.059 | 44.1 | 39.1 | 79.0 | ..... | 33.0 | 0.69 | S. | 1 | ..... | ..... | 0 | |
| Oct. 9 | 7.00 a. m. | .157 | 38.2 | 26.8 | ..... | 33.1 | 10.5 | 0.32 | E. S. E. | 1 | ..... | ..... | 0 | |

*Camp* 53, *Willow Creek.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 9 | 2.00 p. m. | 25.283 | 70.2 | 65.0 | ..... | ..... | 62.5 | 0.78 | ..... | 0 | ..... | ..... | 0 | Elevation, 4,877 feet. |
| | 9.00 p. m. | .338 | 42.1 | 39.0 | 85.3 | ..... | 35.4 | 0.80 | ..... | 0 | ..... | ..... | 0 | |
| Oct. 10 | 7.00 a. m. | .406 | 36.2 | 32.0 | ..... | 21.3 | 26.0 | 0.70 | ..... | 0 | ..... | ..... | 0 | |

*Camp* 54, *Higham's Ranch.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 10 | 9.00 p. m. | 25.642 | 41.0 | 38.9 | ..... | ..... | 38.8 | 0.93 | ..... | 0 | ..... | ..... | 0 | Elevation, 4,601 feet. |
| Oct. 11 | 7.00 a. m. | .693 | 30.4 | 29.0 | ..... | 20.0 | 25.9 | 0.86 | ..... | 0 | ..... | ..... | 0 | |

*Yellowstone Division, Camp 1, Fort Ellis.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| July 3 | 9.00 p. m. | 25.267 | 42.2 | 39.4 | 80 | 0.35 | S. E. | 1 | 1 | Stratus | | | Elevation, 4,935 feet. |
| July 4 | 7.00 a. m. | .250 | 58.0 | 50.0 | 63 | 0.44 | S. E. | 1 | 0 | do | | 33.0 | |
| | 2.00 p. m. | .174 | 75.2 | 56.8 | 41 | 0.48 | W. | 1 | 4 | Cumulo-stratus | | | |
| | 9.00 p. m. | .194 | 52.5 | 48.4 | 76 | 0.44 | S. E. | 1 | 1 | Stratus | 94.0 | | |
| July 5 | 7.00 a. m. | .202 | 65.8 | 55.8 | 59 | 0.50 | S. E. | 2 | 0 | do | | | |
| | 2.00 p. m. | .139 | 78.8 | 59.0 | 37 | 0.49 | | 1 | 3 | Cirro-cumulus | | | |
| | 6.00 p. m. | .187 | | | | | | | | | | | Heavy thunder and rain. |
| | 9.00 p. m. | .200 | 53.0 | 51.0 | 87 | 0.49 | S. | 1 | 9 | Stratus, nimbus | 88.0 | | |
| July 6 | 6.00 a. m. | .154 | 52.8 | 51.8 | 93 | 0.51 | S. | 1 | 3 | Cirro-stratus | | 43.6 | |
| | 6.30 a. m. | .140 | 56.8 | 54.0 | | | | 1 | 3 | do | | | |
| | 7.00 a. m. | .131 | 61.0 | 55.0 | 71 | 0.51 | N. W. | 1 | 2 | Cirro-cumulus | | | |
| | 9.00 a. m. | .142 | 66.2 | 59.4 | 69 | 0.55 | W. | 1 | 2 | do | | | |
| | 2.00 p. m. | .075 | 80.4 | 65.0 | 48 | 0.57 | S. W. | 1 | 1 | do | | | |
| | 6.00 p. m. | .093 | 56.8 | 53.8 | 84 | 0.52 | N. W. | 1 | 10 | Nimbus | | | Heavy shower. |
| | 6.30 p. m. | .093 | 55.8 | 52.0 | 67 | 0.47 | S. | 1 | 9 | Nimbus, cirro-cumulus | | | |
| | 7.00 p. m. | .091 | 55.6 | 52.0 | 79 | 0.49 | E. | 1 | 9 | do | | | |
| | 9.00 p. m. | .085 | 55.0 | 52.0 | 84 | 0.50 | | 2 | 8 | do | 88.2 | | |
| July 7 | 7.00 a. m. | .109 | 62.0 | 55.0 | 67 | 0.50 | | | 1 | Cirro-stratus | | 44.5 | |
| | 8.00 a. m. | .119 | 68.5 | 58.0 | 56 | 0.51 | | | 1 | do | | | |
| | 9.00 a. m. | .121 | 69.0 | 59.2 | 59 | 0.53 | | | 1 | do | | | |
| | 10.00 a. m. | .133 | 70.0 | 60.8 | 64 | 0.57 | | | 2 | do | | | |
| | 11.00 a. m. | .124 | 73.0 | 62.0 | 58 | 0.57 | | | 4 | do | | | |
| | 12.00 m | .116 | 79.0 | 62.5 | 46 | 0.55 | | | 2 | do | | | |
| | 1.00 p. m. | .101 | 81.0 | 64.0 | 43 | 0.55 | | | 1 | Cirro-cumulus | | | |
| | 2.00 p. m. | .096 | 79.2 | 63.8 | 48 | 0.57 | | | 6 | Nimbus, cirro-cumulus | | | |
| | 3.00 p. m. | .101 | 78.2 | 63.0 | 48 | 0.56 | | | 9 | Nimbus, cumulus | | | Thunder and rain in W. |
| | 4.00 p. m. | .114 | 64.2 | 54.0 | 56 | 0.47 | | | 10 | do | | | Thunder and slight rain at 4.30. |
| | 5.00 p. m. | .128 | 59.2 | 55.0 | 80 | 0.52 | | | 9 | do | | | |
| | 6.00 p. m. | .143 | 59.0 | 53.2 | 71 | 0.49 | | | 9 | do | | | |
| | 7.00 p. m. | .135 | 58.0 | 53.6 | 80 | 0.51 | | | 7 | do | | | |
| | 8.00 p. m. | .125 | 55.0 | 50.5 | 79 | 0.48 | | | 2 | Cumulo-stratus | | | |
| | 9.00 p. m. | .113 | 56.8 | 51.0 | 71 | 0.47 | | | 2 | do | 82.0 | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 8 | 6.00 a. m. | .147 | 60.8 | 55.8 | 75 | 0.53 | N. | 1 | 3 | Cirro-cumulus | | 47.8 |
| | 6.30 a. m. | .152 | 63.8 | 57.5 | 69 | 0.53 | | 0 | 2 | do | | |
| | 7.00 a. m. | .154 | 68.2 | 58.6 | 62 | 0.54 | N. W. | 1 | 1 | do | | |
| | 8.00 a. m. | .157 | 70.2 | 58.0 | 55 | 0.52 | N. | 1 | 1 | do | | |
| | 9.00 a. m. | .157 | 71.6 | 60.0 | 55 | 0.54 | N. | 1 | 1 | do | | |
| | 11.00 a. m. | .160 | 75.0 | 59.5 | 48 | 0.53 | N. | 2 | 1 | do | | |
| | 2.00 p. m. | .143 | 82.2 | 63.4 | 39 | 0.54 | N. | 1 | 1 | do | | |
| | 6.00 p. m. | .133 | 78.2 | 66.2 | 56 | 0.60 | N. | 0 | 3 | do | | |
| | 6.30 p. m. | .138 | 81.0 | 66.0 | 48 | 0.59 | N. | 0 | 4 | do | | |
| | 7.00 p. m. | .148 | 76.0 | 64.2 | 55 | 0.58 | N. | 0 | 4 | do | | |
| | 8.00 p. m. | .157 | 63.0 | 55.0 | 63 | 0.49 | N. | 0 | 2 | do | | |
| | 9.00 p. m. | .168 | 57.8 | 52.0 | 71 | 0.48 | N. | 0 | 2 | do | 88.6 | |
| July 9 | 6.00 a. m. | .232 | 54.0 | 53.0 | 93 | 0.52 | S. | 1 | 0 | | | 45.0 |
| | 6.30 a. m. | .242 | 62.0 | 56.8 | 75 | 0.54 | S. | 1 | 0 | | | |
| | 7.00 a. m. | .236 | 68.8 | 60.0 | 62 | 0.55 | S. W. | 1 | 0 | | | |
| | 2.00 p. m. | .221 | 84.5 | 62.0 | 32 | 0.51 | W. | 1 | 0 | | | |
| | 9.00 p. m. | .226 | 60.2 | 54.6 | 75 | 0.52 | W. | 0 | 1 | Cumulo-stratus | 90.5 | |
| July 10 | 6.30 a. m. | .295 | 56.0 | 55.0 | 94 | 0.54 | | 0 | 0 | | | 46.2 |
| | 7.00 a. m. | .301 | 67.2 | 60.0 | 94 | 0.54 | | 0 | 0 | | | |
| | 2.00 p. m. | .264 | 86.0 | 61.2 | 29 | 0.49 | N. | 1 | 0 | | | |
| | 6.00 p. m. | .247 | 88.0 | 69.0 | 40 | 0.60 | | 0 | 0 | | | |
| | 7.00 p. m. | .252 | 73.5 | 59.5 | 50 | 0.53 | | 0 | 0 | | | |
| | 9.00 p. m. | .262 | 56.8 | 51.2 | 71 | 0.47 | S. | 1 | 0 | | 91.5 | |
| July 11 | 7.00 a. m. | .292 | 69.0 | 58.0 | 56 | 0.51 | N. | 1 | 0 | | | 45.0 |
| | 2.00 p. m. | .231 | 88.8 | 65.0 | 31 | 0.53 | S. E. | 2 | 0 | | | |
| | 6.00 p. m. | .218 | 81.4 | 61.5 | 39 | 0.53 | S. E. | 2 | 0 | | | |
| | 6.30 p. m. | .199 | 78.8 | 61.2 | 41 | 0.52 | S. E. | 2 | 0 | | | |
| | 7.00 p. m. | .201 | 72.8 | 58.5 | 50 | 0.52 | S. E. | 2 | 0 | | | |
| | 9.00 p. m. | .217 | 67.2 | 57.0 | 59 | 0.51 | S. E. | 2 | 1 | Stratus | 91.2 | |
| July 12 | 7.00 a. m. | .208 | 75.0 | 62.8 | 55 | 0.57 | | 0 | 0 | | | 44.8 |
| | 10.00 a. m. | .189 | 84.7 | 68.0 | 44 | 0.60 | | 0 | 0 | | | |
| | 11.00 a. m. | .176 | 87.5 | 70.0 | 42 | 0.61 | W. | 1 | 0 | | | |
| | 1.00 p. m. | .156 | 94.0 | 69.8 | 26 | ..... | W. | 1 | 3 | Cirro-cumulus | | |
| | 2.00 p. m. | .145 | 97.2 | 69.7 | 21 | ..... | E. | 1 | 6 | do | | |
| | 3.00 p. m. | .131 | 92.0 | 73.7 | 58 | ..... | | 0 | 7 | do | | |
| | 4.00 p. m. | .125 | 90.2 | 74.7 | 49 | 0.68 | | 0 | 9 | Cumulus | | |
| | 6.00 p. m. | .136 | 76.3 | 62.8 | 53 | 0.57 | W. | 2 | 10 | do | | |
| | 7.00 p. m. | .141 | 70.4 | 61.0 | 64 | 0.57 | W. | 2 | 10 | do | | |
| | 8.00 p. m. | .146 | 64.6 | 57.2 | 65 | 0.52 | | 0 | 8 | Cumulo-stratus | | |
| | 9.00 p. m. | .137 | 60.0 | 56.5 | 84 | 0.55 | | 0 | 1 | Stratus | 99.7 | |
| July 13 | 7.00 a. m. | .127 | 71.8 | 61.3 | 58 | 0.56 | | 0 | 0 | | | 46.0 |
| | 9.00 a. m. | .101 | 80.1 | 65.3 | 48 | 0.58 | S. | 1 | 0 | | | |
| | 2.00 p. m. | .048 | 89.6 | 67.1 | 33 | 0.56 | | 0 | 5 | Cumulo-stratus | | |
| | 3.00 p. m. | .031 | 88.0 | 64.7 | 33 | 0.54 | N. W. | 2 | | Cumulus | | |
| | 9.00 p. m. | .069 | 63.8 | 56.5 | 67 | 0.52 | E. | 1 | | Cumulo-stratus | 94.0 | |
| July 14 | 7.00 a. m. | .080 | 69.0 | 59.0 | 59 | 0.53 | S. | 1 | 0 | | | 47.2 |

*Yellowstone Division—Camp* 1, *Fort Ellis*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| July 14 | 2.00 p. m. | 25.000 | 82.8 | 63.6 | 39 | 0.55 | N. W. | 3 | 2 | Cumulus | | | |
| | 9.00 p. m. | .207 | 43.8 | 41.5 | 88 | 0.40 | N. W. | 1 | 0 | | 83.0 | | |
| July 15 | 6.30 a. m. | .134 | 43.6 | 46.0 | | | | 0 | 0 | | | 26.2 | |
| | 7.00 a. m. | .149 | 53.8 | 51.0 | 86 | 0.40 | | 0 | 0 | | | | |
| | 10.00 a. m. | .124 | 66.8 | 52.0 | 42 | 0.41 | N. W. | 1 | 0 | | | | |
| | 11.00 a. m. | .101 | 70.2 | 50.6 | 40 | 0.43 | N. W. | 1 | 0 | | | | |
| | 12.00 m. | .079 | 71.0 | 53.0 | 36 | 0.41 | N. W. | 1 | 0 | | | | |
| | 1.00 p. m. | .068 | 75.0 | 52.0 | 33 | 0.42 | N. W. | 1 | 1 | Cirro-stratus | | | |
| | 2.00 p. m. | .039 | 79.0 | 53.0 | 26 | 0.39 | N. W. | 1 | 1 | do | | | |
| | 3.00 p. m. | .025 | 79.0 | 53.0 | 27 | 0.40 | N. W. | 1 | 1 | do | | | |
| | 4.00 p. m. | .021 | 76.0 | 56.5 | 35 | 0.45 | N. W. | 1 | 1 | do | | | |
| | 5.00 p. m. | .002 | 79.0 | 55.4 | 34 | 0.46 | | 0 | 1 | do | | | |
| | 6.00 p. m. | .001 | 74.0 | 54.0 | 39 | 0.46 | | 0 | 1 | Cirro-cumulus | | | |
| | 7.00 p. m. | .009 | 65.0 | 54.0 | 55 | 0.47 | | 0 | 1 | Cirro-cumulus | | | |
| | 8.00 p. m. | .037 | 52.0 | 45.8 | 66 | 0.40 | S. E. | 1 | 2 | Cirro-stratus | | | |
| | 9.00 p. m. | .040 | 48.0 | 42.0 | 65 | 0.35 | S. E. | 1 | 3 | do | 79.7 | | |
| July 16 | 6.00 a. m. | .132 | 50.8 | 44.0 | 62 | 0.37 | N. E. | 3 | 8 | Cumulus | | 45.0 | |
| | 6.30 a. m. | .139 | 52.4 | 45.0 | 62 | 0.38 | N. E. | 3 | 7 | do | | | |
| | 7.00 a. m. | .138 | 52.5 | 46.0 | 62 | 0.39 | E. | 2 | 8 | do | | | Raining most of the forenoon. |
| | 2.00 p. m. | .239 | 54.0 | 48.6 | 71 | 0.44 | E. | 2 | 9 | do | | | |
| | 9.00 p. m. | .261 | 42.4 | 41.2 | 93 | 0.40 | E. | 2 | 1 | Stratus | 66.0 | | |
| July 17 | 6.30 a. m. | .242 | 49.2 | 44.0 | 70 | 0.39 | E. | 2 | 1 | Cumulus | | 38.0 | |
| | 7.00 a. m. | .251 | 49.2 | 43.0 | 65 | 0.36 | E. | 2 | 1 | do | | | |
| | 2.00 p. m. | .253 | 61.2 | 55.0 | 71 | 0.51 | W. | 1 | 1 | do | | | Shower about 9 a. m. |
| | 6.30 p. m. | .255 | 57.0 | 53.0 | 80 | 0.50 | E. | 1 | 1 | do | | | Shower of hail at 11.30 a. m. |
| | 7.00 p. m. | .255 | 56.0 | 47.0 | 81 | 0.44 | E. | 1 | 1 | do | | | |
| | 9.00 p. m. | .283 | 46.5 | 45.0 | 87 | 0.43 | E. | 3 | 1 | do | 66.4 | | |
| July 18 | 6.00 a. m. | .255 | 45.0 | 44.0 | 93 | 0.43 | S. E. | 1 | 0 | | | 39.8 | |
| | 6.30 a. m. | .256 | 50.0 | 47.0 | 81 | 0.44 | | 0 | 0 | | | | |
| | 7.00 a. m. | .262 | 52.4 | 48.5 | 82 | 0.46 | | 0 | 0 | | | | |
| | 2.00 p. m. | .109 | 72.8 | 58.0 | 48 | 0.51 | W. | 1 | 0 | | | | |
| | 6.00 p. m. | .173 | 66.0 | 60.0 | 73 | 0.56 | | 0 | 0 | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 6.30 p. m | .170 | 63.0 | 58.0 | 75 | 0.55 | ..... | 0 | 0 | ..... | ..... | ..... | |
| | | 9.00 p. m | .190 | 57.0 | 48.0 | 59 | 0.42 | E. | 3 | 0 | ..... | ..... | ..... | |
| July | 19 | 6.00 a. m | .128 | 52.0 | 47.5 | 74 | 0.43 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | | 6.30 a. m | .132 | 54.0 | 49.0 | 71 | 0.44 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | | 7.00 a. m | .131 | 60.0 | 55.0 | 75 | 0.52 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | | 2.00 p. m | .067 | 81.5 | 63.4 | 46 | 0.57 | W. | 1 | 3 | Cirro-cumulus ..... | ..... | ..... | |
| | | 6.00 p. m | .082 | 64.6 | 54.4 | 55 | 0.47 | ..... | 1 | 8 | ..... | ..... | ..... | |
| | | 9.00 p. m | .099 | 54.0 | 48.2 | 67 | 0.42 | ..... | 1 | 6 | ..... | ..... | ..... | |
| July | 20 | 7.00 a. m | .137 | 51.5 | 48.0 | 76 | 0.44 | N. E. | 3 | 7 | Cumulus..... | ..... | ..... | Slight rain. |

*Camp 2, Spring Creek.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 20 | 6.30 p. m | 24.451 | 58.8 | 51.0 | 63 | 0.45 | N. W. | 1 | 1 | Cirro-cumulus ..... | ..... | ..... | Elevation, 5,639 feet. |
| | | 7.00 p. m | .451 | 56.5 | 50.0 | 67 | 0.45 | N. E. | 2 | 1 | .....do ..... | ..... | ..... | |
| | | 9.00 p. m | .476 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| July | 21 | 6.00 a. m | .403 | 49.0 | 48.0 | 93 | 0.47 | ..... | 0 | 1 | Cirro-stratus..... | ..... | 31.8 | |
| | | 6.30 a. m | .408 | 51.2 | 48.5 | 87 | 0.47 | ..... | 0 | 1 | .....do ..... | ..... | ..... | |
| | | 7.00 a. m | .408 | 55.0 | 50.4 | 76 | 0.47 | N. E. | 1 | 1 | .....do ..... | ..... | ..... | |

*Camp 3, Eight-mile Creek.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 21 | 5.00 p. m | 24.760 | 63.0 | 57.5 | 71 | 0.53 | N. | 1 | 4 | Cirro-cumulus ..... | ..... | ..... | Showers at 1 and 3 p. m. |
| | | 6.00 p. m | .737 | 59.2 | 55.0 | 80 | 0.52 | N. W. | 1 | 1 | ..... | ..... | ..... | Elevation, 5,282 feet. |
| | | 6.30 p. m | .744 | 57.2 | 53.2 | 80 | 0.50 | N. W. | 1 | 1 | ..... | ..... | ..... | |
| | | 7.00 p. m | .754 | 56.0 | 52.8 | 84 | 0.51 | N. W. | 1 | 1 | ..... | ..... | ..... | |
| | | 9.00 p. m | .777 | 55.0 | 52.0 | 84 | 0.50 | N. W. | 1 | 1 | ..... | ..... | ..... | |
| July | 22 | 6.00 a. m | .863 | 56.0 | 54.5 | 91 | 0.53 | S. W. | 1 | 0 | ..... | ..... | ..... | |
| | | 6.30 a. m | .872 | 58.4 | 54.0 | 80 | 0.51 | E. | 1 | 0 | ..... | ..... | ..... | |
| | | 7.00 a. m | .871 | 56.2 | 51.5 | 77 | 0.48 | E. | 1 | 0 | ..... | ..... | ..... | |

*Camp 4, Boteler's Ranch.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 22 | 5.00 p. m | 24.957 | 70.0 | 53.0 | 43 | 0.45 | N. E. | 2 | 1 | Cirro-cumulus ..... | ..... | ..... | Light showers about noon. |
| | | 6.00 p. m | .960 | 67.2 | 53.0 | 47 | 0.45 | N. E. | 2 | 2 | .....do ..... | ..... | ..... | |
| | | 6.30 p. m | .976 | 64.8 | 52.0 | 49 | 0.44 | N. E. | 2 | 2 | .....do ..... | ..... | ..... | Elevation, 5,086 feet. |
| | | 7.00 p. m | .983 | 62.8 | 51.2 | 50 | 0.43 | N. E. | 2 | 1 | .....do ..... | ..... | ..... | |
| | | 9:00 p. m | 25.012 | 58.8 | 50.0 | 60 | 0.44 | N. E. | 1 | 1 | .....do ..... | ..... | ..... | |

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| July 23 | 6.00 a. m. | 25.080 | 53.8 | 48.0 | 67 | 0.42 | S. W. | 1 | 9 | Cumulo-stratus | | 32.6 | |
| | 7.00 a. m. | .074 | 56.8 | 51.0 | 71 | 0.47 | S. W. | 1 | 9 | do | | | |
| | 2.00 p. m. | 24.963 | 72.0 | 56.2 | 45 | 0.48 | N. E. | 1 | 5 | Nimbus, cumulus | | | |
| | 6.00 p. m. | .950 | 65.0 | 54.0 | 55 | 0.47 | N. E. | 1 | 1 | Cirro-cumulus | | | Rain and hail at 4 p. m. |
| | 6.30 p. m. | .947 | 63.4 | 54.0 | 60 | 0.48 | N. E. | 1 | 1 | do | | | |
| | 7.00 p. m. | .951 | 59.0 | 53.0 | 71 | 0.49 | N. E. | 1 | 1 | do | | | |
| | 8.00 p. m. | .950 | 55.4 | 51.0 | 79 | 0.48 | N. E. | 1 | 1 | do | | | |
| July 24 | 6.00 a. m. | .997 | 52.8 | 50.2 | 82 | 0.47 | | 0 | 1 | do | | | |
| | 6.30 a. m. | 25.008 | 55.0 | 51.2 | 80 | 0.48 | | 0 | 1 | do | | | |
| | 7.00 a. m. | .008 | 59.2 | 53.0 | 71 | 0.49 | E. | 1 | 1 | do | | | |

*Camp 5, Cañon Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 24 | 5.30 p. m. | 24.973 | 75.4 | 55.4 | 37 | 0.45 | N. W. | 1 | 0 | | | | Elevation, 5,101 feet. |
| | 6.00 p. m. | .975 | 73.3 | 54.0 | 39 | 0.45 | N. W. | 2 | 0 | | | | |
| | 6.30 p. m. | .986 | 68.0 | 51.9 | 42 | 0.42 | N. W. | 1 | 0 | | | | |
| | 7.00 p. m. | 25.004 | 63.6 | 49.5 | 45 | 0.40 | N. W. | 1 | 0 | | | | |
| | 9.00 p. m. | .055 | 58.6 | 47.0 | 50 | 0.39 | N. W. | 2 | 0 | | | | |
| July 25 | 6.00 a. m. | .106 | 49. | 43.0 | 65 | 0.36 | S. W. | 4 | 0 | | | 42.0 | |
| | 7.00 a. m. | .099 | 55. | 44.0 | 53 | 0.36 | S. W. | 5 | 0 | | | | |

*Camp 6, Devil's Slide.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July 25 | 5.00 p. m. | 24.720 | 79.5 | | | | | | | | | | Elevation, 5,348 feet. |
| | 5.30 p. m. | .726 | 70.8 | | | | | | | | | | |
| | 6.00 p. m. | .728 | 66.6 | | | | | | | | | | |
| | 7.00 p. m. | .734 | 65.8 | | | | | | | | | | |
| | 9.00 p. m. | .761 | 59.2 | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 26 | 6.00 a. m. | .821 | 58.2 | 47.5 | 56 | 0.41 | | | | | | | |
| | | 6.30 a. m. | .824 | 60.0 | 49.0 | 53 | 0.41 | | | | | | | |
| | | 7.00 a. m. | .819 | 60.2 | 48.0 | 50 | 0.40 | | | | | | | |

*Camp 7, White Mountain Hot Springs.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 26 | 4.60 p. m. | 23.705 | 60.0 | 54.0 | 71 | 0.50 | N. W. | 1 | 10 | Cumulus, nimbus | | | Thunder and rain. |
| | | 6.00 p. m. | .722 | 53.4 | 51.0 | 87 | 0.49 | N. W. | 1 | 4 | Cirro-cumulus | | | Elevation, 6,529 feet. |
| | | 6.30 p. m. | .711 | 53.0 | 51.0 | 87 | 0.49 | N. W. | 1 | 5 | .....do | | | |
| | | 7.00 p. m. | .711 | 53.4 | 52.5 | 87 | 0.49 | S. W. | 1 | 2 | .....do | | | |
| | | 9.00 p. m. | .715 | 53.4 | 52.0 | 87 | 0.49 | N. | 1 | 0 | .....do | | | |
| July | 27 | 6.00 a. m. | .700 | 62.0 | 55.0 | 67 | 0.50 | S. W. | 1 | 0 | ... | | | |
| | | 6.30 a. m. | .694 | 64.6 | 55.5 | 62 | 0.51 | S. W. | 1 | 0 | | | | |
| | | 7.00 a. m. | .700 | 67.0 | 56.4 | 56 | 0.49 | W. | 1 | 0 | | | | |
| | | 2.00 p. m. | .633 | 80.7 | 54.8 | 27 | 0.42 | S. W. | 1 | 1 | Cumulus | | | |
| | | 5.30 p. m. | .603 | 66.3 | 49.0 | 40 | 0.39 | S. W. | 1 | 1 | .....do | | | |
| | | 6.00 p. m. | .609 | 60.0 | 49.0 | 40 | 0.39 | S. W. | 1 | 1 | | | | |
| | | 7.00 p. m. | .618 | 50.9 | 44.0 | 62 | 0.37 | S. W. | 0 | 0 | | | | |
| | | 9.00 p. m. | .636 | 50.6 | 45.0 | 66 | 0.39 | S. W. | 1 | 0 | | | | |
| July | 28 | 7.00 a. m. | .650 | 73.6 | 63.2 | 58 | 0.58 | N. | 1 | 2 | Cirro-cumulus | | | |
| | | 8.00 a. m. | .650 | 81.0 | 66.0 | 48 | 0.59 | S. | 1 | 2 | .....do | | | |
| | | 9.00 a. m. | .632 | 83.6 | 67.5 | 46 | 0.60 | | | | | | | |
| | | 10.00 a. m. | .623 | 89.0 | | | | N. | 1 | 0 | | | | |
| | | 11.00 a. m. | .604 | 94.0 | 70.2 | | | | | | | | | |
| | | 12.00 m. | .592 | 93.2 | | | | | | | | | | |
| | | 1.00 p. m. | .594 | 92.3 | 64.2 | | | | | | | | | |
| | | 2.00 p. m. | .592 | 92.2 | 66.0 | | | S. W. | 2 | 4 | Cumulus | | | |
| | | 9.00 p. m. | .579 | 51.6 | | | | | 0 | 0 | | | | |
| July | 29 | 6.00 a. m. | .670 | 60.8 | | | | | | | | | 34.5 | |
| | | 6.30 a. m. | .680 | 56.8 | | | | S. | 2 | 9 | Cumulo-stratus | | | |
| | | 9.00 a. m. | .771 | 42.8 | | | | | | | | | | |

*Camp 8, Blacktail Deer Creek.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| July | 29 | 5.00 p. m. | 23.679 | 61.4 | | | | | | | | | | Elevation, 6,570 feet. |
| | | 9.00 p. m. | .772 | 42.8 | | | | | | | | | | |
| July | 30 | 6.00 a. m. | .878 | 52.6 | 46.5 | 66 | 0.41 | E. | 1 | 0 | | | 18.5 | |
| | | 6.30 a. m. | .861 | 61.0 | 52.0 | 60 | 0.46 | | 1 | 0 | | | | |

*Yellowstone Division, Camp 9, Cache Valley.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| July 30 | 2.00 p. m. | 24.154 | 73.4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | No clouds. Wind never above 2. |
| | 3.00 p. m. | .149 | 76.8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 4.00 p. m. | .140 | 77.2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Elevation, 6,236 feet. |
| | 5.00 p. m. | .148 | 65.3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 6.00 p. m. | .148 | 53.0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .196 | 36.2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 77.3 | ..... | |
| July 31 | 7.00 a. m. | .270 | 61.0 | 52.0 | 60 | 0.46 | ..... | ..... | ..... | ..... | ..... | 15.8 | |
| | 10.00 a. m. | .236 | 78.5 | 67.2 | 56 | 0.61 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 11.00 a. m. | .200 | 82.9 | 64.6 | 41 | 0.56 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 12.00 m.... | .186 | 82.3 | 64.3 | 41 | 0.55 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 1.00 p. m. | .173 | 84.0 | 67.5 | 46 | 0.60 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 2.00 p. m. | .163 | 83.3 | 66.8 | 46 | 0.59 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 4.00 p. m. | .160 | 81.2 | 66.3 | 48 | 0.59 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 5.00 p. m. | .159 | 72.8 | 57.7 | 48 | 0.51 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 6.00 p. m. | .151 | 58.0 | 48.4 | 56 | 0.41 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 7.00 p. m. | .168 | 50.0 | 43.0 | 61 | 0.36 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 8.00 p. m. | .187 | 48.2 | 41.8 | 65 | 0.35 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .197 | 47.0 | 42.0 | 70 | 0.37 | ..... | ..... | ..... | ..... | 84.0 | ..... | Very few cumulus clouds. |
| Aug. 1 | 7.00 a. m. | .240 | 64.2 | 56.0 | 64 | 0.50 | ..... | ..... | ..... | ..... | ..... | 25.3 | |
| | 8.00 a. m. | .242 | 71.5 | 59.2 | 52 | 0.53 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 a. m. | .225 | 75.0 | 60.7 | 50 | 0.54 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 10.00 a. m. | .196 | 74.0 | 59.6 | 50 | 0.53 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 11.00 a. m. | .182 | 77.5 | 58.2 | 37 | 0.48 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 12.00 m.... | .169 | 82.3 | 61.5 | 36 | 0.51 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 2.00 p. m. | .144 | 84.2 | 63.8 | 38 | 0.54 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 3.00 p. m. | .138 | 86.3 | 67.0 | 40 | 0.58 | ..... | ..... | ..... | ..... | ..... | ..... | Very few cumulus clouds. |
| | 9.00 p. m. | .199 | 46.0 | 43.0 | 80 | 0.40 | ..... | ..... | ..... | ..... | 85.9 | ..... | Wind never above 2. |
| Aug. 2 | 6.30 a. m. | .277 | 58.6 | 50.0 | 60 | 0.44 | ..... | ..... | ..... | ..... | ..... | 20.6 | |
| | 7.30 a. m. | .262 | 64.4 | 54.4 | 56 | 0.47 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 8.00 a. m. | .261 | 63.5 | 53.5 | 56 | 0.46 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 a. m. | .240 | 69.9 | 57.5 | 55 | 0.52 | ..... | ..... | ..... | ..... | ..... | ..... | Clear in the morning, then gradually clouded up till in the evening was nearly overcast, but cleared away during the night. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10.00 a. m. | .220 | 75.5 | 61.0 | 48 | 0.54 | | | | | | |
| | | 11.00 a. m. | .207 | 82.0 | 62.5 | 39 | 0.54 | | | | | | |
| | | 12.00 m. | .183 | 84.5 | 61.0 | 31 | 0.49 | | | | | | |
| | | 1.00 p. m. | .172 | 85.0 | 61.4 | 31 | 0.49 | | | | | | |
| | | 2.00 p. m. | .162 | 80.8 | 61.4 | 37 | 0.51 | | | | | | Wind light. |
| | | 3.00 p. m. | .150 | 85.0 | 63.2 | 34 | 0.52 | | | | | | |
| | | 4.30 p. m. | .131 | 79.0 | 63.8 | 48 | 0.57 | | | | | | |
| | | 5.00 p. m. | .135 | 73.0 | 61.5 | 56 | 0.55 | | | | | | |
| | | 6.00 p. m. | .135 | 69.0 | 58.5 | 57 | 0.52 | | | | | | |
| | | 9.00 p. m. | .155 | 51.9 | 46.3 | 66 | 0.40 | | | | | 93.5 | |
| Aug. | 3 | 6.00 a. m. | .169 | 52.4 | 47.0 | 71 | 0.42 | | | | | | 25.4 | Partially cloudy in forenoon. |
| | | 7.00 a. m. | .170 | 57.5 | 50.3 | 67 | 0.45 | | | | | | | Showers in afternoon, one of which, between 4 and 5 p. m., was quite heavy. |
| | | 2.00 p. m. | .076 | 80.4 | 59.0 | 35 | 0.49 | | | | | | |
| | | 9.00 p. m. | .094 | 48.8 | 47.5 | 90 | 0.46 | | | | | | |

*Camp* 10, *Near Mount Washburn.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. | 4 | 8.30 p. m. | 22.485 | 47.0 | | | | | | | | | Elevation, 8,162 feet. |

*Camp* 11, *Near Falls of Yellowstone.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. | 5 | 2.00 p. m. | 22.662 | 83.0 | 60.0 | 32 | 0.49 | | | | | | Elevation, 7,979 feet. |
| | | 9.00 p. m. | .601 | 48.2 | 45.0 | 81 | 0.42 | | | | | 93.0 | |
| Aug. | 6 | 7.00 a. m. | .571 | 54.3 | 48.0 | 67 | 0.42 | | | | | | Cloudy and threatening in morning. Afternoon and evening clear. Wind variable in force and direction. |
| | | 5.00 p. m. | .455 | 70.0 | 54.3 | 45 | 0.46 | | | | | | |
| | | 6.00 p. m. | .467 | 66.5 | 49.6 | 40 | 0.39 | | | | | | |
| | | 9.00 p. m. | .491 | 52.8 | | | | | | | | | |
| Aug. | 7 | 6.00 a. m. | .498 | 43.0 | 40.7 | 86 | 0.39 | | | | | | 25.5 |
| | | 7.30 a. m. | .495 | 50.3 | 47.0 | 81 | 0.44 | | | | | | Sky half covered by cumulo-stratus clouds all day. Evening clear until 10, then clouded over. |
| | | 3.00 p. m. | .412 | 63.0 | 53.5 | 58 | 0.47 | | | | | | |
| | | 4.00 p. m. | .407 | 61.0 | 52.0 | 60 | 0.46 | | | | | | |
| | | 5.00 p. m. | .404 | 59.0 | 50.0 | 60 | 0.44 | | | | | | |
| | | 6.00 p. m. | .420 | 57.0 | 49.0 | 63 | 0.43 | | | | | | Wind variable in direction; velocity 1 to 3. |
| | | 9.00 p. m. | .414 | 46.0 | | | | | | | | | |

*Yellowstone Division—Camp* 11, *near Falls of Yellowstone*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Aug. 8 | 7.00 a. m. | 22.455 | 49.9 | 46.0 | 76 | 0.42 | | | | | | 38.0 | Smart shower about midnight last night. Showery all forenoon. |
| | 2.30 p. m. | .571 | 55.5 | | | | | | | | | | |
| | 9.00 p. m. | .649 | 35.6 | | | | | | | | 59.0 | | Hard shower of hail about 9 a. m. |
| Aug. 9 | 7.00 a. m. | .636 | 44.5 | | | | | | | | | 24.0 | Dense fog in early morning. |
| | 10.00 a. m. | .609 | 57.3 | 50.0 | 67 | 0.45 | | | | | | | |
| | 11.00 a. m. | .598 | 55.0 | 44.0 | 53 | 0.36 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | *Camp* 12, *Mud Geysers.* | | | |
| Aug. 9 | 8.00 p. m. | 22.720 | 50.0 | | | | | | | | | | Cumulo-stratus clouds in latter part of afternoon. Clear in evening. |
| | 9.00 p. m. | .717 | 44.0 | | | | | | | | | | Elevation, 7,712 feet. |
| Aug. 10 | 7.00 a. m. | .697 | 43.8 | | | | | | | | | 22.5 | |
| | 8.00 a. m. | .681 | 63.4 | | | | | | | | | | |
| | 9.00 a. m. | .685 | 72.0 | | | | | | | | | | |
| | 10.00 a. m. | .687 | 67.8 | | | | | | | | | | |
| | 11.00 a. m. | .688 | 70.0 | | | | | | | | | | |
| | 12.00 m ... | .688 | 68.0 | | | | | | | | | | |
| | 1.00 p. m. | .678 | 71.5 | | | | | | | | | | |
| | 2.00 p. m. | .672 | 67.2 | | | | | | | | | | |
| | 3.00 p. m. | .666 | 64.0 | | | | | | | | | | |
| | 4.00 p. m. | .672 | 61.0 | | | | | | | | | | |
| | 5.00 p. m. | .669 | 57.8 | | | | | | | | | | |
| | 6.00 p. m. | .675 | 55.0 | | | | | | | | | | |
| | 7.00 p. m. | .687 | 50.6 | | | | | | | | | | |
| | 8.00 p. m. | .687 | 52.6 | | | | | | | | | | Cloudy towards evening, and light rain in fore part of night. |
| | 9.00 p. m. | .692 | 54.5 | | | | | | | | | | |
| Aug. 11 | 6.00 a. m. | .730 | 45.0 | | | | | | | | | | |
| | 7.00 a. m. | .726 | 49.8 | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8.00 a. m. | .724 | 56.0 | | | | | | | | | | | |
| | 2.00 p. m. | .687 | 66.0 | | | | | | | | | | | |
| Aug. 12 | 7.30 a. m. | .765 | 60.0 | | | | | | | | | | | |
| | 10.00 a. m. | .763 | 68.6 | | | | | | | | | | | Showery. |
| | 11.00 a. m. | .761 | 60.8 | | | | | | | | | | | |
| | 12.00 m.... | .764 | 60.2 | | | | | | | | | | | |
| | 1.00 p. m. | .771 | 56.4 | | | | | | | | | | | Thunder and light rain. |
| | 2.00 p. m. | .802 | 48.2 | | | | | | | | | | | |
| | 3.00 p. m. | .786 | 51.0 | | | | | | | | | | | |
| Aug. 13 | 6.00 a. m. | .859 | 37.8 | | | | | | | | | | | |

*Camp* 13, *East Fork of Firehole River.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 13 | 5.00 p. m. | 23.196 | 60.3 | | | | | | | | | | | |
| | 6.00 p. m. | .203 | 59.0 | | | | | | | | | | | Elevation, 7,297 feet. |
| | 9.00 p. m. | .229 | 44.6 | | | | | | | | | | | |
| Aug. 14 | 7.00 a. m. | .214 | 42.0 | | | | | | | | | | 28.4 | |

*Camp* 14, *Lower Geyser Basin.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 14 | 7.00 p. m. | 23.106 | 58.8 | | | | | | | | | | | Elevation, 7,252 feet. |
| | 9.00 p. m. | .133 | 51.6 | | | | | | | | | | | |
| Aug. 15 | 6.00 a. m. | .100 | 38.0 | 37.0 | 92 | 0.36 | | | | | | | 26.5 | |
| | 7.00 a. m. | .089 | 41.5 | 38.0 | 80 | 0.34 | | | | | | | | |
| | 8.00 a. m. | .073 | 50.0 | 47.0 | 81 | 0.44 | | | | | | | | |
| | 9.00 a. m. | .054 | 60.0 | 49.5 | 56 | 0.43 | | | | | | | | Wind N. W.; 1 to 2 all day. |
| | 10.00 a. m. | .067 | 65.0 | 49.0 | 42 | 0.39 | | | | | | | | Clouds cumulus, 2, increasing to 9 in evening. |
| | 11.00 a. m. | .056 | 69.5 | 52.0 | 40 | 0.43 | | | | | | | | |
| | 12.00 m ... | .041 | 74.0 | 54.0 | 37 | 0.44 | | | | | | | | |
| | 1.00 p. m. | .019 | 73.5 | 54.0 | 37 | 0.44 | | | | | | | | |
| | 2.00 p. m. | 22.998 | 74.0 | 52.0 | 33 | 0.41 | | | | | | | | |
| | 3.00 p. m. | .988 | 70.9 | 51.5 | 36 | 0.41 | | | | | | | | |
| | 4.00 p. m. | .980 | 74.1 | 52.5 | 35 | 0.43 | | | | | | | | |
| | 5.00 p. m. | .969 | 73.8 | 50.8 | 31 | 0.40 | | | | | | | | |
| | 6.00 p. m. | .973 | 64.5 | 46.8 | 37 | 0.36 | | | | | | | | |
| | 7.00 p. m. | .968 | 56.5 | 46.0 | 53 | 0.38 | | | | | | | | |
| | 8.00 p. m. | .979 | 54.0 | 45.0 | 54 | 0.36 | | | | | | | | |
| | 9.00 p. m. | .976 | 53.0 | 42.7 | 47 | 0.32 | | | | | | | 80.0 | |
| | 10.00 p. m. | .971 | 52.0 | 43.0 | 54 | 0.34 | | | | | | | | |
| | 11.00 p. m. | .975 | 52.0 | 43.4 | 54 | 0.34 | | | | | | | | |
| | 12.00 p. m. | .986 | 54.0 | 44.0 | 50 | 0.34 | | | | | | | | |

*Yellowstone Division—Camp 14, Lower Geyser Basin*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Aug. 16 | 1.00 a. m. | 22.999 | 50.3 | 41.7 | 57 | 0.34 | ..... | 0 | 10 | Cumulus, stratus | ..... | ..... | |
| | 2.00 a. m. | .997 | 48.0 | 41.5 | 65 | 0.35 | N. E. | 1 | 3 | .....do | ..... | ..... | |
| | 3.00 a. m. | 23.006 | 44.0 | 39.0 | 68 | 0.33 | E. | 1 | 4 | .....do | ..... | ..... | |
| | 4.00 a. m. | .015 | 43.0 | 38.5 | 70 | 0.38 | ..... | 1 | 1 | .....do | ..... | ..... | |
| | 5.00 a. m. | .032 | 41.0 | 36.4 | 68 | 0.30 | N. E. | 1 | 0 | ..... | ..... | ..... | |
| | 6.00 a. m. | .042 | 42.0 | 37.0 | 68 | 0.31 | ..... | 0 | 0 | ..... | ..... | ..... | |
| | 7.00 a. m. | .060 | 48.0 | 39.0 | 52 | 0.29 | ..... | 0 | 1 | Cumulus | ..... | 39.0 | |
| | 8.00 a. m. | .076 | 50.2 | 42.0 | 57 | 0.34 | W. | 1 | 1 | .....do | ..... | ..... | |
| | 9.00 a. m. | .080 | 55.0 | 42.0 | 46 | 0.33 | W. | 1 | 1 | .....do | ..... | ..... | |
| | 10.00 a. m. | .079 | 55.0 | 44.0 | 53 | 0.36 | W. | 2 | 4 | .....do | ..... | ..... | |
| | 11.00 a. m. | .075 | 59.0 | 46.0 | 47 | 0.37 | W. | 2 | 6 | .....do | ..... | ..... | |
| | 12.00 m ... | .070 | 62.6 | 49.0 | 45 | 0.39 | W. | 2 | 6 | .....do | ..... | ..... | |
| | 1.00 p. m. | .086 | 57.2 | 44.8 | 50 | 0.37 | S. W. | 3 | 8 | Cumulus, nimbus | ..... | ..... | Some sleet fell. |
| | 2.00 p. m. | .097 | 52.8 | 45.0 | 58 | 0.37 | W. | 2 | 10 | .....do | ..... | ..... | Showery. |
| | 3.00 p. m. | .083 | 60.2 | 47.7 | 50 | 0.40 | S. W. | 3 | 6 | Cumulus, nimbus, cirrus | ..... | ..... | |
| | 4.00 p. m | .106 | 54.9 | 43.0 | 49 | 0.35 | S. W. | 2 | 5 | Cumulus, nimbus | ..... | ..... | |
| | 5.00 p. m. | .098 | 60.0 | 46.2 | 44 | 0.36 | ..... | 0 | 2 | Cumulus, stratus | ..... | ..... | |
| | 6.00 p. m. | .091 | 59.0 | 46.4 | 47 | 0.37 | ..... | 0 | 2 | Cirrus | ..... | ..... | |
| | 7.00 p. m. | .106 | 48.2 | 40.2 | 56 | 0.31 | ..... | 0 | 2 | Cumulus, stratus | ..... | ..... | |
| | 8.00 p. m. | .113 | 42.2 | 38.9 | 80 | 0.35 | ..... | 0 | 2 | .....do | ..... | ..... | |
| | 9.00 p. m. | .118 | 42.3 | 36.4 | 63 | 0.29 | ..... | 0 | 2 | Cirrus | ..... | ..... | |
| | 10.00 p. m. | .115 | 39.8 | 35.4 | 68 | 0.29 | ..... | 0 | 2 | .....do | ..... | ..... | |
| | 11.00 p. m. | .117 | 38.2 | 34.5 | 77 | 0.30 | ..... | 0 | 2 | Cirrus, cumulus | ..... | ..... | |
| | 12.00 p. m. | .108 | 38.2 | 34.6 | 77 | 0.30 | ..... | 0 | 6 | Cumulus | ..... | ..... | |
| Aug. 17 | 1.00 a. m. | .104 | 34.0 | 32.1 | 83 | 0.29 | ..... | 0 | 1 | .....do | ..... | ..... | |
| | 2.00 a. m. | .103 | 32.9 | 32.0 | 95 | 0.32 | ..... | 0 | ..... | ..... | ..... | ..... | Dense fog. |
| | 3.00 a. m | .103 | 32.6 | 31.2 | 82 | 0.27 | ..... | 0 | ..... | ..... | ..... | ..... | |
| | 4.00 a. m. | .105 | 31.8 | 30.9 | 87 | 0.28 | ..... | 0 | ..... | ..... | ..... | ..... | |
| | 5.00 a. m. | .105 | 32.1 | 29.5 | 77 | 0.25 | ..... | 0 | ..... | ..... | ..... | ..... | |
| | 6.00 a. m. | .103 | 33.0 | 30.4 | 74 | 0.25 | ..... | 0 | 2 | Cirrus, stratus | ..... | ..... | |
| | 7.00 a. m. | .098 | 35.2 | 32.5 | 76 | 0.27 | ..... | 0 | 1 | .....do | ..... | 31.8 | |
| | 8.00 a. m. | .084 | 42.8 | 33.1 | 46 | 0.21 | N. W. | 1 | 1 | .....do | ..... | ..... | |
| | 9.00 a. m. | .083 | 50.3 | 38.1 | 46 | 0.28 | W. | 1 | 1 | .....do | ..... | ..... | |
| | 10.00 a. m. | .081 | 57.9 | 43.1 | 42 | 0.33 | S. W. | 1 | 3 | Cirro-cumulus | ..... | ..... | |
| | 11.00 a. m. | .076 | 61.0 | 48.0 | 47 | 0.39 | S. W. | 1 | 3 | .....do | ..... | ..... | |
| | 12.00 m ... | .069 | 65.7 | 47.3 | 36 | 0.36 | S. W. | 3 | ..... | ..... | ..... | ..... | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.00 p. m. | .041 | 62.8 | 44.8 | 35 | 0.32 | S. | 3 | 3 | Cumulus, cirrus. | | | |
| | 2.00 p. m. | .061 | 64.6 | 45.7 | 35 | 0.35 | | 3 | 4 | do | | | |
| | 3.00 p. m. | .069 | 61.9 | 45.2 | 37 | 0.33 | S. W. | 3 | 6 | Cirro-cumulus | | | |
| | 4.00 p. m. | .069 | 59.9 | 45.6 | 44 | 0.36 | | 1 | 5 | do | | | |
| | 5.00 p. m. | .069 | 58.0 | 46.0 | 50 | 0.38 | | 0 | 4 | do | | | |
| | 6.00 p. m. | .067 | 61.0 | 46.1 | 42 | 0.36 | S. W. | 1 | 1 | do | | | |
| | 7.00 p. m. | .073 | 50.5 | 42.0 | 53 | 0.33 | | 0 | 1 | do | | | |
| | 8.00 p. m. | .086 | 45.2 | 37.3 | 55 | 0.28 | | 0 | 0 | | | | |
| | 9.00 p. m. | .075 | 41.8 | 36.0 | 63 | 0.29 | | 0 | 0 | | | | |
| | 10.00 p. m. | .075 | 38.2 | 32.1 | 59 | 0.23 | | 0 | 0 | | | | |
| | 11.00 p. m. | .077 | 36.5 | 31.2 | 59 | 0.22 | | 0 | 0 | | | | |
| | 12.00 p. m. | .069 | 33.2 | 29.8 | 74 | 0.25 | | 0 | 0 | | | | |
| Aug. 18 | 1.00 a. m. | .070 | 31.0 | 29.0 | 77 | 0.24 | | 0 | 0 | | | | |
| | 2.00 a. m. | .071 | 29.0 | 27.0 | 73 | 0.20 | | 0 | 0 | | | | |
| | 3.00 a. m. | .071 | 29.0 | 26.0 | 60 | 0.15 | | 0 | 0 | | | | |
| | 4.00 a. m. | .070 | 29.0 | 25.0 | 47 | 0.09 | N. | 1 | 1 | Cumulo-stratus | | | |
| | 5.00 a. m. | .071 | 28.0 | 25.0 | 54 | 0.10 | | 0 | 0 | | | | Foggy. |
| | 6.00 a. m. | .073 | 29.0 | 26.0 | 59 | 0.13 | | 0 | 0 | | | | |
| | 7.00 a. m. | .069 | 31.5 | 28.0 | 65 | 0.20 | | 0 | 0 | | | | |
| | 8.00 a. m. | .059 | 37.0 | 30.5 | 59 | 0.22 | | 0 | 0 | | | | |
| | 2.00 p. m. | 22.991 | 79.0 | 50.0 | 24 | 0.36 | W. | 3 | 1 | Cirrus | | | |
| | 9.00 p. m. | .964 | 50.6 | 43.0 | 58 | 0.35 | | 0 | 1 | Cirro-cumulus | 81.0 | | |

*Camp* 15, *mouth of Gibbon's Fork.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 19 | 3.00 p. m. | 22.257 | 72.3 | 48.5 | 31 | 0.38 | S. W. | 2 | 2 | Cumulus | | 20.0 | Elevation, 6,811 feet. |
| | 4.00 p. m. | .273 | 71.2 | 50.0 | 35 | 0.39 | S. W. | 2 | 2 | do | | | |
| | 5.00 p. m. | .247 | 70.0 | 49.0 | 35 | 0.38 | S. W. | 1 | 2 | Cirro-cumulus | | | |
| | 6.00 p. m. | .249 | 69.5 | 50.0 | 35 | 0.40 | S. W. | 1 | 1 | do | | | |
| | 7.00 p. m. | .269 | 59.4 | 48.5 | 53 | 0.40 | | 0 | 0 | | | | |
| | 8.00 p. m. | .269 | 57.0 | 45.0 | 50 | 0.37 | S. E. | 1 | 0 | | | | |
| | 9.00 p. m. | .267 | 48.0 | 40.5 | 60 | 0.33 | | 0 | 0 | | | | |
| Aug. 20 | 7.00 a. m. | .300 | 49.0 | 45.0 | 75 | 0.41 | E. | 1 | 1 | Cirrus | | 21.5 | |
| | 8.00 a. m. | .292 | 66.0 | 50.0 | 42 | 0.40 | S. E. | 2 | 2 | Cirro-stratus | | | |
| | 9.00 a. m. | .324 | 66.0 | 49.0 | 40 | 0.39 | W. | 3 | 5 | Cirro-cumulus | | | |
| | 1.00 p. m. | .351 | 65.2 | 49.0 | 42 | 0.39 | S. | 2 | 5 | do | | | |
| | 2.00 p. m. | .365 | 65.0 | 49.2 | 42 | 0.39 | S. W. | 2 | 4 | do | | | |
| | 6.00 p. m. | .432 | 62.0 | 46.0 | 40 | 0.35 | W. | 1 | 3 | | | | |
| | 7.00 p. m. | .462 | 52.5 | 43.5 | 50 | 0.33 | | 0 | 0 | | | | |
| | 8.00 p. m. | .492 | 43.0 | 39.0 | 74 | 0.34 | | 0 | 0 | | | | |
| Aug. 21 | 7.00 a. m. | .664 | 39.0 | 33.5 | 64 | 0.27 | E. | 1 | 0 | | | 15.5 | |

*Yellowstone Division, Camp 16, Madison River.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Aug. 21 | 6.00 p. m | 22.807 | 62.5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Elevation, 6,605 feet. |
| | 9.00 p. m. | .846 | 35.0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Aug. 22 | 7.00 a. m. | .853 | 46.9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.0 | |

*Camp 17, mouth of East Fork of Madison River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 22 | 6.00 p. m. | 22.789 | 56.5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Elevation, 6,568 feet. |
| | 7.00 p. m. | .761 | 46.0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Aug. 23 | 7.00 a. m. | 23.771 | 50.0 | 46.0 | 76 | 0.42 | ..... | 0 | 0 | ..... | ..... | 32.5 | |
| | 8.00 a. m. | .760 | 55.0 | 47.0 | 63 | 0.41 | ..... | 0 | 0 | ..... | ..... | ..... | |
| | 9.00 a. m. | .733 | 63.8 | 51.0 | 47 | 0.42 | S. W. | 1 | 1 | Cirro-cumulus | ..... | ..... | |
| | 9.00 p. m. | .614 | 68.0 | ..... | ..... | ..... | ..... | 0 | 2 | Cumulo-stratus | ..... | ..... | |
| Aug. 24 | 6.00 a. m. | .690 | 40.0 | 38.0 | 86 | 0.36 | ..... | 0 | 3 | Cirro-cumulus | ..... | 33.0 | |
| | 7.00 a. m. | .687 | 43.5 | 39.0 | 68 | 0.33 | ..... | 0 | 3 | ..... | ..... | ..... | |
| | 8.00 a. m. | .671 | 54.5 | 49.0 | 71 | 0.45 | S. E. | 1 | 3 | ..... | ..... | ..... | |
| | 9.00 a. m. | .674 | 59.8 | 49.0 | 53 | 0.41 | ..... | 1 | 3 | ..... | ..... | ..... | |
| | 10.00 a. m. | .667 | 64.4 | 50.5 | 45 | 0.40 | ..... | 1 | 3 | ..... | ..... | ..... | |
| | 11.00 a. m. | .633 | 73.4 | 52.0 | 35 | 0.42 | ..... | 2 | 3 | ..... | ..... | ..... | |
| | 12.00 m. | .618 | 77.6 | 54.0 | 33 | 0.43 | ..... | 2 | 3 | ..... | ..... | ..... | |
| | 2.00 p. m. | .622 | 74.0 | 54.0 | 37 | 0.44 | ..... | 2 | 3 | ..... | ..... | ..... | |
| | 3.00 p. m. | .591 | 75.0 | 53.0 | 33 | 0.42 | S. | 2 | 3 | Cumulus, nimbus | ..... | ..... | |
| | 4.00 p. m. | .589 | 70.0 | 50.0 | 35 | 0.40 | ..... | 2 | 3 | Cirro-cumulus | ..... | ..... | |
| | 5.00 p. m. | .600 | 66.8 | 48.0 | 36 | 0.37 | S. W. | 3 | 8 | ..... | ..... | ..... | |
| | 6.00 p. m. | .595 | 64.0 | 48.0 | 40 | 0.37 | ..... | 1 | 7 | ..... | ..... | ..... | |
| | 9.00 p. m. | .611 | 50.0 | 40.0 | 50 | 0.30 | ..... | 0 | 7 | Cumulo-stratus | ..... | ..... | |
| Aug. 25 | 6.00 a. m. | .703 | 36.4 | 35.0 | 91 | 0.33 | ..... | 0 | 3 | Cirro-stratus | ..... | 28.5 | |
| | 7.00 a. m. | .700 | 39.0 | 36.0 | 77 | 0.32 | N. W. | 1 | 3 | ..... | ..... | ..... | |

*Camp* 18, *Madison River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 25 | 5.00 p. m. | 23.681 | 66.8 | 54.0 | 50 | 0.46 | | 1 | 2 | Cumulus | | | Elevation, 6,570 feet. |
| | 7.00 p. m. | .718 | 51.3 | 45.0 | 66 | 0.39 | N. W. | 0 | 5 | | | | |
| | 9.00 p. m. | .726 | 47.6 | 40.0 | 56 | 0.31 | | | 1 | Cirro-stratus | 78.8 | | Gusty. |
| Aug. 26 | 7.30 a. m. | | 59.2 | 48.2 | 53 | 0.40 | | | | | | 21.5 | |
| | 10.00 a. m. | .804 | 69.2 | 49.5 | 36 | 0.39 | | | | | | | |
| | 11.00 a. m. | .789 | 75.1 | 52.2 | 32 | 0.41 | | | | | | | |
| | 12.00 m. | .788 | 75.0 | 51.2 | 30 | 0.39 | | | | | | | |
| | 1.00 p. m. | .774 | 78.8 | 52.5 | 27 | 0.40 | | | | | | | |
| | 2.00 p. m. | .746 | 79.0 | | | | | | | | | | |
| | 3.00 p. m. | .746 | 78.1 | 53.6 | 30 | 0.42 | | | | | | | |
| | 5.00 p. m. | .742 | 74.0 | 51.8 | 33 | 0.41 | | | | | | | |
| | 6.00 p. m. | .750 | 58.0 | 47.0 | 53 | 0.39 | | | | | | | |

*Camp* 19, *Madison River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 28 | 7.00 a. m. | 24.126 | 47.2 | 41.5 | 65 | 0.34 | | | | | | | Elevation, 6,309 feet. |
| | 8.15 a. m. | .134 | 57.0 | 47.5 | 42 | 0.59 | E. | 2 | 0 | | | 23.5 | Light haze. |
| | 9.00 a. m. | .125 | 65.0 | 54.0 | 55 | 0.47 | | 2 | 0 | | | | |
| | 10.00 a. m. | .122 | 70.7 | 58.0 | 52 | 0.52 | N. W. | 3 | 1 | Cumulus | | | |
| | 11.00 a. m. | .105 | 77.0 | 58.0 | 39 | 0.49 | W. | 4 | 1 | | | | |
| | 12.00 m. | .100 | 79.5 | 58.5 | 35 | 0.49 | N. W. | 4 | 0 | | | | |
| | 1.00 p. m. | .095 | 79.5 | 59.5 | 37 | 0.50 | | 4 | 1 | Cumulus | | | |
| | 2.00 p. m. | .080 | 80.0 | 58.0 | 34 | 0.47 | | 5 | 1 | Cumulo-stratus | | | |
| | 3.00 p. m. | .083 | 79.0 | 57.0 | 34 | 0.46 | | 6 | 1 | | | | |
| | 4.00 p. m. | .064 | 75.5 | 54.0 | 33 | 0.43 | | 6 | 1 | | | | |
| | 5.00 p. m. | .060 | 71.5 | 52.0 | 37 | 0.42 | | 7 | 1 | Cumulus, stratus | | | |
| | 6.00 p. m. | .067 | 67.5 | 50.2 | 38 | 0.39 | | 6 | 1 | Stratus | | | |
| | 9.00 p. m. | .074 | 52.0 | 44.0 | 58 | 0.36 | N. N. E. | 1 | 0 | | | | |
| Aug. 29 | 6.00 a. m. | .104 | 39.0 | 35.0 | 70 | 0.29 | N. | 2 | 1 | Cirrus, stratus | | | |

*Camp* 20, *Madison River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug. 29 | 2.00 p. m. | 24.394 | 78.0 | 55.5 | 32 | 0.44 | | | | | | | Elevation, 5,753 feet. |
| | 3.00 p. m. | .442 | 81.0 | 59.0 | 34 | 0.48 | | | | | | | |
| | 6.00 p. m. | .380 | 62.0 | 51.5 | 54 | 0.44 | | | | | | | |
| | 7.00 p. m. | .370 | 58.6 | 48.0 | 56 | 0.41 | | | | | | | |
| | 9.00 p. m. | .372 | 52.0 | 45.0 | 62 | 0.38 | | | | | | | |
| Aug. 30 | 7.00 a. m. | .343 | 56.0 | 48.0 | 63 | 0.42 | N. E. | 3 | 6 | Cirrus | | | |

*Yellowstone Division, Camp 21, mouth Indian Creek.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Aug. 30 | 2.00 p. m. | 24.477 | 74.5 | 62.0 | 53 | 0.56 | ..... | ..... | 8 | Nimbus, cumulus ..... | ..... | ..... | Slight thunder-shower between 12 and 1 p. m. |
| | 3.00 p. m. | .463 | 78.5 | 63.6 | 48 | 0.56 | ..... | ..... | 7 | Cumulus, cirrus..... | ..... | ..... | |
| | 7.00 p. m. | .436 | 66.5 | 55.0 | 52 | 0.48 | ..... | ..... | 9 | Nimbus, cumulus ..... | ..... | ..... | Shower. |
| | 8.45 p. m. | .451 | 66.8 | 57.0 | 59 | 0.51 | ..... | ..... | ..... | ..... | ..... | ..... | Elevation, 5,524 feet. |
| Aug. 31 | 7.00 a. m. | .442 | 60.0 | 53.0 | 67 | 0.48 | S. W. | 5 | 10 | Nimbus..... | ..... | 55.0 | |
| | 8.00 a. m. | .456 | 62.0 | 54.8 | 67 | 0.50 | ..... | 6 | 10 | ..... | ..... | ..... | |
| | 9.00 a. m. | .464 | 64.7 | 54.8 | 58 | 0.49 | S. S. W. | 6 | 5 | ..... | ..... | ..... | |
| | 10.00 a. m. | .480 | 69.0 | 56.3 | 50 | 0.48 | ..... | 6 | 4 | Cumulus, nimbus ..... | ..... | ..... | |
| | 11.00 a. m. | .481 | 71.6 | 57.4 | 47 | 0.50 | ..... | 6 | 3 | ..... | ..... | ..... | |
| | 12.00 m.... | .503 | 76.0 | 59.5 | 45 | 0.52 | ..... | 6 | 3 | Cirrus, cumulus..... | ..... | ..... | |
| | 1.00 p. m. | .509 | 73.3 | 57.5 | 45 | 0.49 | ..... | 5 | 8 | Cumulus..... | ..... | ..... | |
| | 2.00 p. m. | .497 | 76.7 | 59.0 | 43 | 0.52 | ..... | 5 | 9 | Cumulus, nimbus ..... | ..... | ..... | |
| | 3.00 p. m. | .548 | 61.6 | 53.8 | 63 | 0.48 | E. N. E. | 5 | 10 | ..... | ..... | ..... | Showery. |
| | 4.00 p. m. | .558 | 60.7 | 55.0 | 71 | 0.51 | ..... | 5 | 9 | ..... | ..... | ..... | |
| | 5.00 p. m. | .548 | 61.6 | 57.2 | 75 | 0.54 | W. | 3 | 5 | ..... | ..... | ..... | |
| | 6.00 p. m. | .552 | 55.5 | 51.3 | 79 | 0.48 | W. S. W. | 1 | 2 | Stratus, cumulus..... | ..... | ..... | |
| | 7.00 p. m. | .554 | 49.2 | 47.2 | 87 | 0.45 | ..... | ..... | 2 | ..... | ..... | ..... | |
| | 9.00 p. m. | .568 | 46.0 | 43.5 | 83 | 0.40 | ..... | ..... | 1 | Cumulus..... | ..... | ..... | |
| Sept. 1 | 7.00 a. m. | .577 | 53.0 | 51.0 | 87 | 0.49 | ..... | ..... | 9 | Nimbus..... | ..... | 45.0 | Rain after midnight to daylight. |
| | 8.00 a. m. | .581 | 54.0 | 52.2 | 88 | 0.50 | ..... | ..... | 10 | ..... | ..... | ..... | |
| | 9.00 a. m. | .580 | 55.6 | 53.8 | 89 | 0.53 | ..... | ..... | 10 | ..... | ..... | ..... | |
| | 10.00 a. m. | .577 | 62.0 | 58.9 | 84 | 0.57 | ..... | ..... | 9 | Cumulus..... | ..... | ..... | |
| | 11.15 a. m. | .540 | 68.0 | 61.6 | 73 | 0.58 | ..... | ..... | 8 | ..... | ..... | ..... | |

*Camp 22, Madison River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 1 | 5.40 p. m. | 24.864 | 60.3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Elevation, 5,214 feet. |
| | 6.00 p. m. | .857 | 59.0 | 56.0 | 84 | 0.54 | ..... | ..... | 9 | Nimbus, cumulus ..... | ..... | ..... | |
| | 7.00 p. m. | .881 | 59.0 | 56.2 | 84 | 0.54 | N. E. | 2 | 10 | Nimbus..... | ..... | ..... | |
| | 8.00 p. m. | .880 | 58.0 | 54.9 | 84 | 0.53 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .893 | 56.0 | 53.5 | 89 | 0.53 | ..... | ..... | ..... | ..... | ..... | ..... | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 2 | 7.00 a. m. | .885 | 56.8 | 54.8 | 89 | 0.54 | | | 9 | Nimbus | | 48.8 | |
| | 8.00 a. m. | .873 | 57.5 | 56.0 | 89 | 0.55 | | | 9 | | | | |
| | 9.00 a. m. | .866 | 63.0 | 58.8 | 80 | 0.56 | N. E. | 1 | 8 | Cumulus, stratus | | | |
| | 10.00 a. m. | .854 | 63.7 | 58.6 | 75 | 0.56 | | | 5 | Cumulus | | | |
| | 11.00 a. m. | .839 | 69.8 | 61.1 | 64 | 0.57 | S. W. | 2 | 5 | | | | |
| | 12.00 m ... | .834 | 72.0 | 61.7 | 61 | 0.57 | N. N. W. | 3 | 4 | Cumulus, stratus | | | |

*Camp 23, Madison River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 4 | 9.00 p. m. | 24.742 | | | | | | | | | | | Elevation, 5,027 feet. |
| Sept. 5 | 12.00 m ... | .825 | | | | | | | | | | | |
| | 6.00 p. m. | .869 | | | | | | | | | | | |
| Sept. 6 | 9.00 p. m. | 25.187 | 52.2 | 50.7 | 93 | 0.50 | | | | | | | Raining; slight showers at intervals during the day. |

*Camp 24, Meadow Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 6 | 6.00 p. m. | 25.153 | | | | | | | | | | | Elevation, 4,932 feet. |
| | 8.00 p. m. | .185 | 53.3 | 42.8 | 50 | 0.33 | | | | | | | |
| | 9.00 p. m. | .188 | 52.2 | 50.7 | 93 | 0.50 | | | | | | | |
| Sept. 7 | 6.00 a. m. | .204 | 46.2 | 42.8 | 80 | 0.40 | | | | | | | |
| | 7.00 a. m. | .196 | 50.5 | 46.6 | 76 | 0.43 | S. | 3 | 0 | | | 27.0 | |

*Camp 25, Cold Spring Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 7 | 2.00 p. m. | 25.240 | 76.8 | 59.0 | 41 | 0.50 | | | 2 | Cirrus, cumulus | | | High breeze. |
| | 3.00 p. m. | .231 | 77.2 | 61.2 | 45 | 0.53 | S. | 2 | 4 | | | | Elevation, 4,789 feet. |
| | 6.00 p. m. | .217 | 64.0 | 56.0 | 64 | 0.50 | | | 3 | | | | |
| | 9.00 p. m. | .202 | 57.0 | 49.5 | 67 | 0.45 | N. | 1 | 0 | | | | |
| Sept. 8 | 6.00 a. m. | .131 | 56.6 | 49.4 | 67 | 0.44 | N. N. W. | 3 | 0 | | | 47.0 | |

*Camp 26, Madison River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 8 | 2.00 p. m. | 25.421 | 66.2 | 55.8 | 59 | 0.50 | S. | 4 | 8 | Nimbus, cumulus | | | Elevation, 4,362 feet. |
| | 6.00 p. m. | .496 | 63.5 | 55.3 | 60 | 0.49 | | | 8 | | | | Two or three showers during day. |
| Sept. 9 | 7.00 a. m. | .772 | 48.0 | 42.0 | 65 | 0.35 | S. | 1 | 8 | Nimbus, cumulus | | | |

*Yellowstone Division, Camp 27, Three Forks.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Sept. 9 | 2.15 p. m. | 26.049 | 63.3 | 55.7 | 67 | 0.51 | N. W. | 2 | 9 | Cumulus, stratus | | | Elevation, 4,132 feet. |
| | 4.00 p. m. | .033 | 60.7 | 52.0 | 60 | 0.46 | | | 7 | | | | |
| | 5.00 p. m. | .054 | 64.0 | 55.7 | 64 | 0.50 | N. E. | 2 | 4 | Cirro-stratus | | | |
| | 6.00 p. m. | .062 | 52.7 | 47.8 | 71 | 0.43 | | | 4 | Stratus | | | |
| | 9.00 p. m. | .080 | 46.0 | 43.0 | 80 | 0.40 | | | 3 | Cirrus, cumulus | | | |
| Sept. 10 | 6.00 a. m. | .112 | 36.2 | 33.7 | 84 | 0.31 | | | | | | | |
| | 7.00 a. m. | .100 | 40.8 | 39.4 | 86 | 0.37 | | | | | | | |

*Camp 28, West Gallatin River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 10 | 3.00 p. m. | 25.695 | 69.0 | 55.0 | 47 | 0.47 | | 0 | 3 | Cirrus, cirro-cumulus | | | Elevation, 4, 512 feet. |
| | 6.15 p. m. | .062 | 59.5 | 51.0 | 59 | 0.45 | | 0 | 2 | Stratus, cumulo-stratus | | | |
| | 9.00 p. m. | .761 | 52.6 | 48.8 | 76 | 0.45 | | 0 | 2 | Stratus | | | |
| Sept. 11 | 6.00 a. m. | .816 | 48.4 | 45.4 | 75 | 0.41 | | 0 | 1 | Stratus | | | |

*Camp 29, Fort Ellis.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 11 | 3.00 p. m. | 25.282 | 77.1 | 64.7 | 56 | 0.59 | S. | 2 | | | | | Elevation, 4,947 feet. |
| | 5.00 p. m. | .280 | 71.1 | 64.1 | 71 | 0.61 | | | 4 | Cumulus, cirro-stratus | | | |
| | 6.00 p. m. | .290 | 51.6 | 47.5 | 76 | 0.44 | | | 1 | Stratus | | | |
| | 9.00 p. m. | .298 | 42.0 | 40.0 | 86 | 0.38 | | | | | | | |
| Sept. 12 | 7.00 a. m. | .279 | 55.0 | 53.7 | 94 | 0.53 | | 0 | 0 | | | 27.0 | |
| | 8.00 a. m. | .279 | 63.4 | 56.4 | 67 | 0.51 | | 0 | 0 | | | | |
| | 9.00 a. m. | .256 | 68.7 | 57.0 | 53 | 0.50 | | 0 | 0 | | | | |
| | 10.00 a. m. | .242 | 72.7 | 57.9 | 48 | 0.51 | E. | 1 | 0 | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11.00 a. m. | .227 | 80.1 | 64.0 | 46 | 0.56 | S. S. W. | 1 | 1 | Cirrus | | | |
| | 12.00 m. | .212 | 78.7 | 59.0 | 37 | 0.49 | S. E. | 1 | 1 | Stratus, cirro-stratus | | | |
| | 1.00 p. m. | .193 | 82.0 | 59.4 | 32 | 0.48 | N. | 2 | 1 | Cirrus, cirro-cumulus | | | |
| | 3.00 p. m. | .170 | 84.1 | 61.2 | 32 | 0.50 | S. W. | 2 | 1 | | | | |
| | 4.00 p. m. | .158 | 89.8 | 60.2 | 22 | 0.45 | | 2 | 1 | Cirro-cumulus | | | |
| | 5.00 p. m. | .150 | 76.5 | 63.5 | 53 | 0.58 | | 0 | 1 | do | | | |
| | 6.00 p. m. | .139 | 58.6 | 51.0 | 63 | 0.45 | | 0 | 1 | Cirrus, stratus | | | |
| | 9.00 p. m. | .137 | 57.0 | 47.2 | 56 | 0.40 | E. | 2 | 2 | Cirro-cumulus, cirrus | | | |
| Sept. 13 | 11.00 a. m. | .157 | 80.7 | 57.3 | 30 | 0.45 | W. | 4 | 3 | Cirrus | | 28.0 | |
| | 12.00 m. | .158 | 81.0 | 56.5 | 30 | 0.45 | S. W. | 5 | 4 | Cirrus, cumulus | | | |
| | 2.00 p. m. | .118 | 80.2 | 56.8 | 32 | 0.46 | | 5 | 6 | Cumulus, cirro-stratus | | | |
| | 3.00 p. m. | .111 | 77.0 | 54.0 | 32 | 0.43 | N. | 4 | 7 | Cumulus, nimbus | | | |
| | 5.00 p. m. | .135 | 66.0 | 55.2 | 55 | 0.48 | | 1 | 7 | Cirrus, stratus | | | |
| | 6.00 p. m. | .140 | 59.0 | 51.8 | 67 | 0.47 | | | 4 | | 83.5 | | |
| | 9.00 p. m. | .202 | 45.0 | 40.5 | 74 | 0.37 | | | 5 | Stratus, cumulus | | | |
| Sept. 14 | 7.00 a. m | .185 | 57.2 | 48.4 | 59 | 0.42 | W. | 2 | 3 | Cirro-stratus | | 38.0 | |
| | 11.00 a. m. | .219 | 68.8 | 53.7 | 45 | 0.45 | S. W. | 2 | 6 | Cumulus, nimbus | | | |
| | 12.00 m. | .214 | 67.4 | 51.1 | 42 | 0.41 | E. S. E. | 5 | 7 | | | | |
| | 1.00 p. m. | .238 | 68.6 | 55.0 | 47 | 0.47 | | 5 | 4 | | | | |

*Camp* 30, *Bozeman Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 14 | 6.00 p. m. | 24.939 | 56.2 | 41.5 | 44 | 0.32 | W. S. W. | 3 | 1 | Cirro-stratus | | | Elevation, 5,243 feet. |
| | 9.00 p. m. | 25.036 | 42.0 | 34.8 | 58 | 0.27 | S. E. | 3 | 0 | | | | |
| Sept. 15 | 6.00 a. m. | .097 | 38.0 | 31 9 | 59 | 0.23 | S. | 4 | 0 | | | 32.5 | |
| | 7.00 a. m. | .099 | 41.5 | 36.0 | 63 | 0.29 | | 4 | 1 | Cirrus | | | |

*Camp* 31, *Bear Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 15 | 1.00 p. m. | 25.050 | 68.4 | 51.0 | 40 | 0.41 | | 0 | 1 | Cirrus | | | Elevation, 5,317 feet. |
| | 3.00 p. m. | .043 | 68.0 | 49.8 | 38 | 0.39 | N. | 1 | 1 | | | | |
| | 4.00 p. m. | .034 | 70.3 | 51.2 | 38 | 0.42 | N. W. | 1 | 1 | | | | |
| | 5.00 p. m. | .030 | 60.8 | 51.0 | 56 | 0.44 | | 0 | 1 | | | | |
| | 6.00 p. m. | .000 | 48.0 | 40.8 | 60 | 0.33 | E. | 1 | 1 | | | | |
| Sept. 16 | 6.00 a. m. | .103 | 40.0 | 34.4 | 63 | 0.27 | S. | 2 | 1 | Cirro-stratus | | 28.8 | |
| | 7.00 a. m. | .052 | 44.0 | 38.0 | 63 | 0.31 | | 2 | 1 | | | | |

*Yellowstone Division—Camp 32, West Gallatin River.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Sept. 16 | 1.00 p. m. | 24.917 | 69.5 | 50.7 | 38 | 0.42 | N. W. | 2 | 2 | Cirrus | | | Elevation, 5,241 feet. |
| | 2.00 p. m. | .911 | 78.0 | 55.8 | 34 | 0.45 | | 2 | 2 | | | | |
| | 3.00 p. m. | .895 | 73.3 | 52.5 | 37 | 0.43 | | 2 | 2 | | | | |
| | 4.00 p. m. | .882 | 75.2 | 55.2 | 37 | 0.45 | | 2 | 2 | | | | |
| | 5.00 p. m. | .886 | 60.2 | 40.5 | 60 | 0.45 | | 1 | 3 | Cirro-cumulus | | | |
| | 6.00 p. m. | .896 | 50.2 | 42.8 | 61 | 0.36 | W. | 1 | 2 | Cirrus, cirro-stratus | | | |
| | 9.00 p. m. | .900 | 45.0 | 40.4 | 69 | 0.35 | S. W. | 1 | 3 | Cirro-stratus | | | |
| Sept. 17 | 7.00 a. m. | .930 | 46.0 | 40.0 | 64 | 0.33 | S. | 3 | 1 | Cirrus | | | |
| | 8.00 a. m. | .921 | 54.0 | 44.6 | 54 | 0.36 | | 4 | 1 | | | | |
| | 9.00 a. m. | .912 | 63.5 | 52.6 | 53 | 0.45 | | 2 | 1 | | | | |
| | 5.00 p. m. | .887 | 59.9 | 48.9 | 53 | 0.41 | | 1 | 1 | Cirro-stratus | | | |
| | 6.00 p. m. | .869 | 51.4 | 43.6 | 58 | 0.35 | S. S. W. | 1 | 0 | | | | |
| | 7.00 p. m. | .869 | 48.8 | 42.0 | 60 | 0.34 | | 1 | 0 | | | | |
| | 8.00 p. m. | .881 | 47.2 | 40.8 | 65 | 0.34 | N. | 1 | 0 | | | | |
| | 9.00 p. m. | .993 | 41.9 | 37.8 | 74 | 0.33 | S. | 1 | 1 | Cirrus | | | |
| Sept. 18 | 7.00 a. m. | .893 | 48.0 | 41.2 | 60 | 0.33 | S. E. | 4 | 0 | | | | |

*Camp 33, West Gallatin River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 18 | 3.00 p. m. | 24.423 | 69.6 | 56.4 | 50 | 0.49 | | 0 | 0 | | | | Elevation, 5,589 feet. |
| | 4.00 p. m. | .414 | 64.9 | 54.9 | 58 | 0.49 | | 0 | 0 | | | | |
| | 5.00 p. m. | .387 | 51.5 | 46.5 | 71 | 0.42 | | 0 | 0 | | | | |
| | 6.00 p. m. | .396 | 47.5 | 42.1 | 65 | 0.35 | | 0 | 0 | | | | |
| | 9.00 p. m. | .385 | 38.5 | 35.0 | 70 | 0.29 | | 0 | 0 | | | | |
| Sept. 19 | 7.00 a. m. | .269 | 42.8 | 35.2 | 53 | 0.25 | S. E. | 2 | 0 | | | | |
| | 8.00 a. m. | .242 | 48.0 | 39.7 | 56 | 0.31 | | 2 | 0 | | | | |

## *Camp* 34, *West Gallatin River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 19 | 1.00 p. m. | 23.869 | 71.1 | 53.0 | 40 | 0.44 | ..... | ..... | 7 | Nimbus, cumulus | ..... | ..... | Elevation, 5,926 feet. |
| | 2.00 p. m. | .859 | 69.8 | 52.7 | 43 | 0.45 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 3.00 p. m. | .859 | 67.2 | 49.8 | 40 | 0.40 | S. W. | 1 | 9 | Nimbus | ..... | ..... | |
| | 4.00 p. m. | .848 | 67.0 | 49.8 | 40 | 0.40 | ..... | 1 | 8 | Nimbus, cumulus | ..... | ..... | |
| | 5.00 p. m. | .821 | 65.2 | 47.4 | 37 | 0.36 | E. | 3 | 9 | Nimbus | ..... | ..... | |
| | 6.00 p. m. | .852 | 63.0 | 47.7 | 42 | 0.38 | N. | 4 | 9 | ..... | ..... | ..... | |
| | 8.00 p. m. | .957 | 52.2 | 42.5 | 50 | 0.32 | S. | 6 | 9 | Cumulus | ..... | ..... | |
| | 9.00 p. m. | .970 | 50.8 | 40.2 | 46 | 0.29 | ..... | 6 | 9 | ..... | ..... | ..... | Showery in afternoon. |
| Sept. 20 | 6.00 a. m. | 24.049 | 33.2 | 30.8 | 82 | 0.27 | N. | 1 | 10 | Nimbus | ..... | 30.5 | |
| | 7.00 a. m. | .049 | 37.0 | 32.5 | 70 | 0.27 | ..... | 0 | 10 | ..... | ..... | ..... | |
| | 8.00 a. m. | .045 | 36.8 | 31.2 | 59 | 0.22 | N. | 2 | 10 | ..... | ..... | ..... | |

## *Camp* 35, *West Gallatin River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 20 | 12.00 m | 23.813 | 50.0 | 37.2 | 39 | 0.24 | N. | 2 | 4 | Cumulus | ..... | ..... | Elevation, 6,153 feet. |
| | 1.00 p. m. | .812 | 57.1 | 46.6 | 56 | 0.40 | ..... | 2 | 3 | ..... | ..... | ..... | |
| | 2.00 p. m. | .809 | 57.2 | 44.2 | 47 | 0.35 | N. N. W. | 3 | 4 | Cumulus, cirrus | ..... | ..... | |
| | 3.00 p. m. | .827 | 56.2 | 42.4 | 44 | 0.32 | N. | 3 | 6 | Cirrus, stratus | ..... | ..... | |
| | 4.00 p. m. | .824 | 50.2 | 38.2 | 43 | 0.26 | N. | 3 | 8 | Nimbus | ..... | ..... | |
| | 5.00 p. m. | .833 | 46.0 | 38.0 | 55 | 0.29 | ..... | 0 | 9 | Stratus, nimbus | ..... | ..... | |
| | 6.00 p. m. | .837 | 40.8 | 33.7 | 58 | 0.26 | ..... | 0 | 10 | ..... | ..... | ..... | |
| Sept. 21 | 7.00 a. m. | .850 | 24.6 | 27.0 | ..... | ..... | ..... | 0 | 0 | ..... | ..... | 14.0 | |
| | 8.00 a. m. | .861 | 33.5 | 30.3 | 74 | 0.25 | ..... | 0 | 0 | ..... | ..... | ..... | |
| | 9.00 a. m. | .832 | 53.5 | 42.8 | 47 | 0.32 | ..... | 0 | 0 | ..... | ..... | ..... | |
| | 10.00 a. m. | .798 | 52.0 | 37.4 | 32 | 0.22 | E. | 2 | 1 | Cirrus, cumulus | ..... | ..... | |
| | 11.00 a. m. | .788 | 53.2 | 36.2 | 22 | 0.19 | N. W. | 3 | 2 | ..... | ..... | ..... | |
| | 12.00 m | .776 | 56.1 | 39.2 | 37 | 0.27 | W. | 3 | 3 | Cumulus | ..... | ..... | |
| | 1.00 p. m. | .735 | 59.2 | 42.0 | 39 | 0.31 | E. | 2 | 3 | Cirrus, cumulus | ..... | ..... | |
| | 2.00 p. m. | .738 | 53.2 | 39.0 | 35 | 0.25 | N. E. | 2 | 6 | Cirrus, cumulo-stratus | ..... | ..... | |
| | 3.00 p. m. | .726 | 54.6 | 39.5 | 41 | 0.30 | S. E. | 1 | 9 | Cumulus | ..... | ..... | |
| | 4.00 p. m. | .720 | 52.8 | 36.5 | 26 | 0.21 | ..... | 2 | 10 | Cumulo-stratus | ..... | ..... | |
| | 5.00 p. m. | .711 | 48.3 | 34.8 | 39 | 0.21 | E. | 2 | 10 | Cumulus | 57.0 | ..... | |
| | 6.00 p. m. | .708 | 49.6 | 37.3 | 39 | 0.24 | ..... | 0 | 10 | ..... | ..... | ..... | |
| | 7.00 p. m. | .706 | 41.0 | 31.7 | 49 | 0.21 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 8.00 p. m. | .697 | 39.6 | 31.8 | 50 | 0.20 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .714 | 39.6 | 33.1 | 58 | 0.25 | ..... | ..... | ..... | ..... | ..... | ..... | |
| Sept. 22 | 8.00 a. m. | .647 | 43.6 | 36.8 | 58 | 0.29 | E. | 1 | 7 | Cumulo-stratus | ..... | 28.5 | |
| | 9.00 a. m. | .623 | 48.4 | 39.8 | 56 | 0.31 | ..... | 1 | 9 | Cirro-cumulus, cirro-stratus | ..... | ..... | |
| | 10.00 a. m. | .626 | 49.5 | 38.0 | 43 | 0.26 | ..... | 2 | 10 | Cumulus, stratus | ..... | ..... | |
| | 11.00 a. m. | .626 | 49.2 | 37.5 | 44 | 0.26 | S. E. | 2 | 9 | Stratus | ..... | ..... | |
| | 12.00 m | .646 | 45.5 | 38.0 | 55 | 0.29 | S. E. | 2 | 9 | ....do | ..... | ..... | |
| | 1.00 p. m. | .635 | 40.3 | 39.0 | 93 | 0.38 | ..... | ..... | 10 | ..... | ..... | ..... | Began snowing at 12 m.; stopped between 2 and 3 p. m. |
| | 2.00 p. m. | .633 | 46.0 | 40.8 | 69 | 0.36 | ..... | ..... | 10 | ..... | ..... | ..... | |

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Sept. 22 | 3.00 p. m. | .628 | 50.9 | 44.0 | 62 | 0.37 | ..... | ..... | 10 | ..... | ..... | ..... | |
| | 4.00 p. m. | .639 | 43.2 | 38.2 | 68 | 0.32 | ..... | ..... | 10 | ..... | ..... | ..... | |
| | 5.00 p. m. | .637 | 40.0 | 35.1 | 68 | 0.29 | S. | 2 | 10 | ..... | ..... | ..... | |
| | 6.00 p. m. | .640 | 39.4 | 33.6 | 59 | 0.24 | ..... | 0 | 10 | ..... | 55.0 | ..... | |
| | 9.00 p. m. | .637 | 35.0 | 31.1 | 70 | 0.25 | N. W. | 2 | ..... | ..... | ..... | ..... | Began snowing at 9.15 p. m. |
| Sept. 23 | 8.00 a. m. | 23.659 | 34.0 | 30.6 | 72 | 0.25 | ..... | ..... | ..... | ..... | ..... | 30.9 | Snowing. |
| | 9.00 a. m. | .667 | 37.2 | 31.2 | 59 | 0.22 | N. W. | 1 | ..... | ..... | ..... | ..... | |
| | 10.00 a. m. | .700 | 35.2 | 30.9 | 70 | 0.25 | ..... | ..... | ..... | ..... | ..... | ..... | Four inches of snow fell during the night. |
| | 11.00 a. m. | .704 | 36.6 | 31.4 | 59 | 0.22 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 12.00 m ... | .712 | 45.5 | 36.6 | 48 | 0.25 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 1.00 p. m. | .731 | 40.8 | 34.0 | 58 | 0.26 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 2.00 p. m. | .743 | 42.0 | 34.6 | 58 | 0.27 | ..... | ..... | 8 | Cirrus, cumulus | ..... | ..... | |
| | 3.00 p. m. | .760 | 36.8 | 31.0 | 59 | 0.22 | ..... | ..... | 8 | Cumulus | ..... | ..... | |
| | 4.00 p. m. | .786 | 35.2 | 30.8 | 70 | 0.25 | N. W. | 2 | 7 | ..... | ..... | ..... | |
| | 5.00 p. m. | .802 | 33.8 | 30.4 | 72 | 0.25 | ..... | 2 | 5 | Cumulus, stratus | ..... | ..... | |
| | 6.00 p. m. | .829 | 29.2 | 25.0 | ..... | ..... | ..... | 2 | 5 | Cirro-stratus | ..... | ..... | |
| | 7.00 p. m. | .857 | 30.2 | 30.3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 8.00 p. m. | .883 | 28.0 | 26.0 | ..... | ..... | N. W. | 2 | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .883 | 27.8 | 24.9 | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | |
| Sept. 24 | 8.00 a. m. | 24.042 | 37.6 | 30.8 | 53 | 0.21 | ..... | ..... | 9 | Stratus | ..... | 17.0 | |
| | 9.00 a. m. | .051 | 40.2 | 33.4 | 58 | 0.25 | ..... | ..... | 9 | Cumulo-stratus | ..... | ..... | |
| | 10.00 a. m. | .046 | 39.5 | 32.2 | 53 | 0.21 | N. | 1 | 9 | ..... | ..... | ..... | |
| | 11.00 a. m. | .021 | 39.4 | 31.3 | 49 | 0.19 | N. W. | 2 | 9 | Cumulus | ..... | ..... | |
| | 12.00 m ... | .028 | 41.5 | 32.2 | 50 | 0.21 | N. N. W. | 2 | 6 | ..... | ..... | ..... | |
| | 1.00 p. m. | .022 | 46.4 | 36.2 | 48 | 0.25 | N. | 2 | 5 | ..... | ..... | ..... | |
| | 2.00 p. m. | .024 | 43.2 | 34.0 | 50 | 0.23 | N. W. | 2 | 5 | ..... | ..... | ..... | |
| | 3.00 p. m. | .018 | 45.4 | 38.2 | 59 | 0.30 | ..... | 2 | 5 | ..... | ..... | ..... | |
| | 4.00 p. m. | .005 | 44.2 | 34.0 | 46 | 0.22 | S. S. W. | 2 | 6 | ..... | ..... | ..... | |
| | 5.00 p. m. | .009 | 50.1 | 40.0 | 50 | 0.30 | ..... | ..... | 6 | Cumulus, cirrus | ..... | ..... | |
| | 6.00 p. m. | .007 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 7.00 p. m. | .013 | 32.4 | 27.0 | 58 | 0.17 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .010 | 27.5 | 24.6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| Sept. 25 | 8.00 a. m. | .015 | 39.2 | 30.6 | 49 | 0.19 | S. E. | 1 | 5 | Cirrus | ..... | 17.0 | |

*Camp 36, on Divide, West Gallatin to Yellowstone River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 25 | 6.00 p. m. | 21.769 | 32.6 | 30.2 | 74 | 0.25 | | | | | | | Elevation, 8,828 feet. |
| | 7.00 p. m. | .721 | 28.0 | 29.5 | | | | | | | | | |
| | 8.00 p. m. | .727 | 28.0 | 29.4 | | | | | | | | | |
| | 9.00 p. m. | .723 | 34.0 | 30.2 | 69 | 0.24 | | | | | | | |
| Sept. 26 | 7.00 a. m. | .678 | 33.3 | 30.7 | 82 | 0.27 | | | 1 | Cirro-stratus | | 17.0 | |
| | 8.00 a. m. | .666 | 35.7 | 30.5 | 64 | 0.24 | | | 1 | | | | |

*Camp 37, Rock Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 26 | 3.00 p. m. | 24.123 | 59.1 | 43.0 | 39 | 0.32 | S. W. | 2 | 8 | Cumulo-stratus | | | Elevation, 5,894 feet. |
| | 4.00 p. m. | .127 | 56.8 | 46.0 | 53 | 0.38 | S. E. | 2 | 7 | | | | |
| | 5.00 p. m. | .118 | 54.0 | 39.0 | 35 | 0.24 | | | | | | | |
| | 6.00 p. m. | .133 | 50.1 | 37.5 | 43 | 0.26 | | 0 | 10 | Stratus | | | |
| | 7.00 p. m. | .132 | 47.1 | 37.0 | 48 | 0.26 | | | | | | | |
| | 8.00 p. m. | .136 | 46.5 | 36.0 | 44 | 0.24 | | | | | | | |
| | 9.00 p. m. | .129 | 49.2 | 38.3 | 44 | 0.26 | | | | | | | |
| Sept. 27 | 8.00 a. m. | .077 | 45.0 | 38.2 | 59 | 0.30 | S. E. | 3 | 5 | Cumulus | | 41.0 | |

*Camp 38, Boteler's Ranch.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 27 | 7.00 p. m. | 25.037 | 45.2 | 41.2 | 74 | 0.37 | N. E. | 1 | | | | | Elevation, 4,996 feet. |
| | 8.00 p. m. | .064 | 46.0 | 40.3 | 64 | 0.33 | | | | | | | |
| | 9.00 p. m. | .083 | 46.0 | 39.5 | 64 | 0.33 | | | | | | | |
| Sept. 28 | 8.00 a. m. | .245 | 39.7 | 34.0 | 63 | 0.27 | | 0 | 3 | Cirrus, cumulo-stratus | | | |
| | 9.00 a. m. | .233 | 48.5 | 39.5 | 52 | 0.30 | | 0 | 3 | Cirrus, cumulus | | | |
| | 10.00 p. m. | .228 | 56.0 | 43.7 | 49 | 0.36 | N. | 1 | 3 | Cumulus, cirro-stratus | | | |
| | 11.00 p. m. | .205 | 56.0 | 40.8 | 41 | 0.31 | S. | 1 | 5 | Cirrus, cirro-stratus | | | |
| | 12.00 m ... | .197 | 60.0 | 42.1 | 35 | 0.29 | S. W. | 2 | 8 | Stratus | | | |
| | 1.00 p. m. | .183 | 66.8 | 46.6 | 34 | 0.35 | S. | 3 | 6 | Cumulus, stratus | | | |
| | 2.00 p. m. | .195 | 61.0 | 44.2 | 37 | 0.32 | | 3 | 6 | | | | |
| | 3.00 p. m. | .199 | 59.6 | 45.5 | 44 | 0.36 | | 1 | 5 | Cirrus, stratus | | | |
| | 5.00 p. m. | .215 | 56.0 | 41.7 | 44 | 0.32 | | 1 | 6 | Stratus | | 66.5 | |
| | 6.00 p. m. | .207 | 56.7 | 41.8 | 42 | 0.32 | S. W. | 2 | 8 | | | | |
| | 7.00 p. m. | .225 | 52.3 | 41.4 | 47 | 0.30 | | | | | | | |
| | 8.00 p. m. | .234 | 54.0 | 41.0 | 40 | 0.28 | | | | | | | |
| | 9.00 p. m. | .250 | 50.5 | 39.4 | 46 | 0.28 | | | | | | | |
| Sept. 29 | 8.00 a. m. | .303 | 52.0 | 40.0 | 43 | 0.28 | S. W. | 4 | 3 | Cirrus, cirro-cumulus | | 28.8 | |
| | 9.00 a. m. | .297 | 54.7 | 42.0 | 46 | 0.33 | | 4 | 3 | Cirrus, cirro-stratus | | | |

*Yellowstone Division—Camp 38, Boteler's Ranch*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Sept. 29 | 10.00 a. m. | 25.285 | 62.4 | 47.8 | 44 | 0.38 | ..... | 4 | 1 | ..... | ..... | ..... | |
| | 11.00 a. m. | .274 | 70.0 | 54.8 | 47 | 0.48 | ..... | 0 | 2 | Cirrus ..... | ..... | ..... | |
| | 12.00 m ... | .260 | 69.0 | 50.7 | 38 | 0.40 | E. | 2 | 2 | ..... | ..... | ..... | |
| | 1.00 p. m. | .247 | 71.8 | 52.8 | 39 | 0.44 | ..... | 2 | 2 | Cirrus, cirro-stratus..... | ..... | ..... | |
| | 2.00 p. m. | .235 | 70.0 | 51.0 | 38 | 0.42 | N. E. | 2 | 3 | Cirrus, cirro-cumulus ..... | ..... | ..... | |
| | 3.00 p. m. | .226 | 71.7 | 54.4 | 41 | 0.45 | E. | 2 | 3 | ..... | ..... | ..... | |
| | 4.00 p. m. | .213 | 70.5 | 52.3 | 40 | 0.43 | N. | 2 | 3 | Cirrus, cirro-stratus..... | 75.9 | ..... | |
| | 5.00 p. m. | .223 | 62.0 | 47.4 | 42 | 0.37 | E. N. E. | 2 | 2 | Cirrus ..... | ..... | ..... | |
| | 6.00 p. m. | .238 | 57.2 | 45.3 | 50 | 0.37 | N. N. E. | 1 | 1 | ..... | ..... | ..... | |
| | 7.00 p. m. | .203 | 48.3 | 42.0 | 65 | 0.35 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 8.00 p. m. | .228 | 48.0 | 38.6 | 52 | 0.29 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .227 | 53.4 | 41.1 | 40 | 0.28 | ..... | ..... | ..... | ..... | ..... | ..... | |
| Sept. 30 | 8.00 a. m. | .200 | 55.1 | 41.6 | 46 | 0.33 | S. W. | 1 | 1 | Cirrus ..... | ..... | 45.0 | |
| | 9.00 a. m. | .183 | 59.5 | 44.0 | 39 | 0.33 | S. E. | 5 | 1 | ..... | ..... | ..... | |

*Camp 39, Pease's Ranch.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sept. 30 | 5.00 p. m. | 25.341 | 67.0 | 47.4 | 34 | 0.35 | S. | 2 | 2 | Cirrus, cirro-stratus..... | ..... | ..... | Elevation, 4,659 feet. |
| | 6.00 p. m. | .348 | 68.0 | 48.3 | 34 | 0.36 | ..... | 2 | 3 | ..... | ..... | ..... | |
| | 7.00 p. m. | .362 | 61.0 | 48.0 | 47 | 0.39 | ..... | 2 | 0 | ..... | ..... | ..... | |
| | 8.00 p. m. | .388 | 56.0 | 47.0 | 59 | 0.41 | ..... | 0 | 0 | ..... | ..... | ..... | |
| Oct. 1 | 8.00 a. m. | .421 | 50.8 | 43.5 | 62 | 0.37 | S. E. | 1 | 7 | Cumulus..... | ..... | ..... | |
| | 6.00 p. m. | .284 | 66.0 | 49.5 | 42 | 0.40 | S. | 2 | 1 | Stratus ..... | ..... | ..... | |
| | 7.00 p. m. | .309 | 64.0 | 45.1 | 33 | 0.32 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 8.00 p. m. | .312 | 57.3 | 42.2 | 41 | 0.32 | ..... | ..... | ..... | ..... | ..... | ..... | |
| | 9.00 p. m. | .331 | 54.0 | 41.0 | 40 | 0.28 | ..... | ..... | ..... | ..... | ..... | ..... | Display of aurora borealis during night. |
| Oct. 2 | 7.00 a. m. | .415 | 42.7 | 37.9 | 68 | 0.32 | ..... | ..... | ..... | ..... | ..... | 25.4 | |

*Camp 40, Divide Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 2 | 2.00 p. m. | 25.118 | 79.2 | 55.7 | 32 | 0.45 | S. W. | 4 | 2 | Cirro-stratus, cumulo-stratus | | Elevation, 4,767 feet. |
| | | 3.00 p. m. | .115 | 78.9 | 54.3 | 29 | 0.42 | | | | | | |
| | | 4.00 p. m. | .101 | 75.2 | 53.7 | 35 | 0.44 | S. W. | 4 | 3 | Cumulus, cirro-stratus | | |
| | | 5.00 p. m. | .116 | 73.3 | 52.0 | 35 | 0.42 | | | | | | |
| | | 6.00 p. m. | .115 | 70.8 | 51.0 | 36 | 0.41 | S. W. | 3 | 2 | Cumulus, stratus | 46.0 | |

*Camp 41, Bridger Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 3 | 1.00 p. m. | 24.501 | 49.6 | 40.6 | 53 | 0.32 | N. W. | 3 | 2 | Cumulus, cumulo-stratus | | Elevation, 5,572 feet. |
| | | 2.00 p. m. | .497 | 51.4 | 41.3 | 50 | 0.31 | S. W. | 3 | 2 | | | |
| | | 3.00 p. m. | .486 | 51.6 | 40.1 | 44 | 0.28 | | | | | | |
| | | 4.00 p. m. | .491 | 49.8 | 38.4 | 43 | 0.26 | W. | 2 | 4 | Cumulus | | |
| | | 5.00 p. m. | .494 | 48.3 | 37.8 | 48 | 0.27 | N. W. | 2 | 3 | Cumulus, stratus | | |
| | | 6.00 p. m. | .463 | 46.0 | 34.8 | 43 | 0.23 | | 0 | 1 | Stratus | | Display of aurora borealis about midnight. |
| Oct. | 4 | 6.00 a. m. | .596 | 30.8 | 26.5 | | | | 0 | 7 | do | | |
| | | 7.00 a. m. | .599 | | | | | E. | 1 | 7 | | 26.7 | |
| | | 8.00 a. m. | .600 | 42.0 | 35.0 | 58 | 0.27 | | 0 | 5 | Cumulus, stratus | | |

*Camp 42, head of Shields River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 4 | 11.00 a. m. | 24.257 | 45.3 | 36.8 | 55 | 0.28 | S. | 1 | 5 | Cumulus | | Elevation, 5,946 feet. |
| | | 12.00 m | .255 | 46.1 | 37.0 | 51 | 0.27 | N. | 2 | 4 | | | |
| | | 1.00 p. m. | .250 | 45.0 | 34.8 | 48 | 0.24 | W. | 3 | 3 | | | |
| | | 2.00 p. m. | .239 | 48.0 | 37.2 | 44 | 0.25 | N. | 3 | 4 | | | |
| | | 3.00 p. m. | .247 | 47.2 | 36.2 | 44 | 0.24 | | 3 | 6 | | | |
| | | 4.00 p. m. | .255 | 47.4 | 36.6 | 48 | 0.26 | W. | 4 | 4 | Cumulus, cirrus | | |
| | | 5.00 p. m. | .253 | 40.7 | 32.0 | 50 | 0.21 | N. W. | 1 | 1 | Cumulus, cirro-stratus | | |
| | | 6.00 p. m. | .251 | 39.3 | 30.2 | 44 | 0.17 | N. | 1 | 1 | Cirro-stratus | | |
| Oct. | 5 | 6.00 a. m. | .275 | 40.2 | 33.0 | 58 | 0.25 | S. | 2 | 2 | Cirrus, cumulo-stratus | 31.7 | |
| | | 7.00 a. m. | .309 | 45.2 | 36.2 | 51 | 0.26 | | 2 | 1 | Cirro-stratus | | |
| | | 8.00 a. m. | .307 | 52.6 | 40.8 | 42 | 0.29 | | 3 | 2 | Cirro-cumulus, cirro-stratus | | |

*Camp 43, Flathead Pass.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. | 5 | 4.00 p. m. | 24.503 | 57.2 | 45.2 | 50 | 0.37 | W. | 5 | 8 | Cumulus, stratus | | Elevation, 5,715 feet. |
| | | 5.00 p. m. | .515 | 52.8 | 43.7 | 54 | 0.35 | | 1 | 9 | Stratus | | |
| | | 6.00 p. m. | .523 | 52.0 | 42.7 | 54 | 0.34 | | 0 | 6 | | | |
| Oct. | 6 | 8.00 a. m. | .571 | 42.2 | 38.1 | 74 | 0.33 | | 0 | 2 | Cirro-stratus, cirro-cumulus | 32.5 | Aurora last evening—red, white, and green streamers. |

*Yellowstone Division—Camp 43, Flathead Pass*—Continued.

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Oct. 6 | 9.00 a. m. | 24.568 | 54.2 | 45.6 | 58 | 0.38 | W. | 1 | 2 | | | | |
| | 10.00 a. m. | .561 | | | | | N. E. | 3 | 1 | | | | |
| | 11.00 a. m. | .564 | 64.9 | 49.4 | 42 | 0.39 | E. | 3 | 1 | | | | |
| | 12.00 m ... | .550 | 66.2 | 50.0 | 42 | 0.40 | S. E. | 3 | 4 | Cumulus | | | |
| | 1.00 p. m. | .531 | 69.1 | 51.9 | 40 | 0.42 | W. | 4 | 5 | Cirro-cumulus | | | |
| | 2.00 p. m. | .519 | 71.0 | 52.0 | 38 | 0.43 | | 4 | 5 | Cirro-cumulus, cirro-stratus | | | |
| | 3.00 p. m. | .521 | 72.0 | 53.8 | 41 | 0.45 | W. | 3 | 4 | Cirro-cumulus | | | |
| | 4.00 p. m. | .518 | 66.2 | 51.6 | 47 | 0.44 | S. | 1 | 4 | | 70.0 | | |
| | 5.00 p. m. | .509 | 56.3 | 47.5 | 63 | 0.42 | | 0 | 3 | | | | |
| | 6.00 p. m. | .507 | 49.8 | 42.7 | 61 | 0.36 | W. | 1 | 3 | Stratus | | | |
| Oct. 7 | 7.00 a. m. | .462 | 36.0 | 32.2 | 70 | 0.26 | E. | 1 | 1 | Cirro-cumulus | | | |

*Camp 44, Horseshoe Bend of Missouri.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 7 | 5.00 p. m. | 25.752 | 72.5 | 58.3 | 50 | 0.51 | | 0 | 2 | Stratus, cirro-cumulus | | | Elevation, 3,969 feet. |
| | 6.00 p. m. | .750 | 72.0 | 54.0 | 41 | 0.45 | W. | 1 | 1 | Stratus, cirrus | | | |
| Oct. 8 | 8.00 a. m. | 26.054 | 42.4 | 35.2 | 58 | 0.27 | N. N. E. | 3 | 5 | Stratus | | 37.0 | |
| | 9.00 a. m. | .061 | 44.7 | 36.7 | 55 | 0.28 | | 3 | 1 | Stratus, cirro-stratus | | | |
| | 10.00 a. m. | .063 | 46.2 | 40.0 | 64 | 0.33 | | 3 | 2 | Cumulo-stratus, cirro-stratus | | | |
| | 11.00 a. m. | .039 | 53.4 | 42.3 | 46 | 0.31 | | 3 | 1 | | | | |
| | 12.00 m ... | .020 | 53.2 | 42.4 | 46 | 0.31 | | 3 | 1 | Stratus | | | |
| | 1.00 p. m. | .018 | 52.5 | 42.1 | 46 | 0.31 | | 3 | 1 | | | | |
| | 2.00 p. m. | .010 | 51.4 | 41.0 | 50 | 0.31 | | 3 | 1 | | | | |
| | 3.00 p. m. | .015 | 50.5 | 40.2 | 50 | 0.30 | | 4 | 1 | | | | |
| | 4.00 p. m. | .026 | 48.2 | 38.6 | 52 | 0.29 | | 3 | 1 | | | | |
| | 5.00 p. m. | .051 | 43.0 | 35.0 | 53 | 0.25 | | 4 | 1 | | | | |
| Oct. 9 | 7.00 a. m. | .326 | 31.8 | 27.3 | | | | 0 | 9 | Stratus | | | |

### *Camp 45, Gallatin River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 9 | 12.00 m ... | 26.246 | 51.3 | 40.1 | 46 | 0.29 | N. | 1 | 9 | Stratus, cirro-stratus | | | Elevation, 4,049 feet. |
| | 1.00 p. m. | .237 | 46.8 | 35.6 | 44 | 0.24 | | 0 | 3 | | | | |
| | 2.00 p. m. | .221 | 52.0 | 38.3 | 35 | 0.24 | | 0 | 3 | | | | |
| | 3.00 p. m. | .218 | 46.5 | 35.8 | 48 | 0.25 | W. | 1 | 3 | | | | |
| | 4.00 p. m. | .210 | 44.6 | 36.8 | 55 | 0.28 | | 0 | 3 | | | | |
| | 5.00 p. m | .210 | 36.8 | 31.0 | 59 | 0.22 | | 0 | 3 | | | | |
| | 6.00 p. m. | .192 | 25.4 | 21.8 | | | | 0 | 3 | | | | |
| Oct. 10 | 8.00 a. m. | .198 | 36.5 | 30.7 | 59 | 0.22 | | 0 | 1 | Stratus | | | |
| | 9.00 a. m. | .185 | 43.2 | 32.0 | 42 | 0.19 | | 0 | 1 | | | | |
| | 10.00 a. m. | .180 | 51.0 | 40.3 | 46 | 0.29 | W. | 1 | 1 | | | | |
| | 11.00 a. m. | .160 | 54.7 | 41.8 | 46 | 0.33 | S. W. | 1 | 3 | | | | |
| | 12.00 m ... | .140 | 60.0 | 45.0 | 42 | 0.35 | W. | 1 | 1 | Cirro-stratus | | | |
| | 1.00 p. m. | .106 | 63.5 | 47.2 | 37 | 0.35 | | 1 | 1 | Stratus | | | |
| | 2.00 p. m. | .087 | 67.1 | 49.4 | 38 | 0.38 | | 1 | 1 | | | | |
| | 3.00 p. m. | .075 | 68.8 | 50.6 | 38 | 0.40 | | 1 | 1 | | | | |
| | 4.00 a. m. | .071 | 62.1 | 47.0 | 42 | 0.37 | | 0 | 1 | Stratus | | | |
| | 5.00 p. m. | .071 | 56.5 | 42.2 | 44 | 0.32 | | 0 | 2 | | | | |
| | 6.00 p. m. | .076 | 39.1 | 33.0 | 59 | 0.24 | | 0 | 1 | | | | |
| Oct. 11 | 8.00 a. m. | .177 | 36.4 | 30.5 | 58 | 0.21 | | 0 | 1 | Cirro-stratus | | | |

### *Camp 46, Dry Creek.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 11 | 3.00 p. m. | 25.897 | 73.3 | 53.6 | 37 | 0.43 | | 0 | 3 | Cumulus, cirro-stratus | | | Elevation, 4,378 feet. |
| | 4.00 p. m. | .900 | 68.3 | 50.7 | 40 | 0.41 | | 0 | 2 | Cirro-stratus, stratus | | | |
| | 5.00 p. m. | .913 | 55.4 | 42.7 | 46 | 0.33 | | 0 | 1 | Stratus | | | |
| | 6.00 p. m. | .909 | 49.0 | 37.8 | 44 | 0.26 | | 0 | 1 | | | | |
| Oct. 12 | 7.00 a. m. | .974 | 32.0 | 26.8 | | | N. E. | 1 | 1 | Cirro-stratus | | | |
| | 8.00 a. m. | .966 | 48.5 | 40.6 | 56 | 0.32 | E. | 1 | 1 | | | | |
| | 9.00 a. m. | .964 | 55.0 | 44.0 | 53 | 0.36 | | 0 | 1 | | | | |

### *Camp 47, East Gallatin River.*

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct. 12 | 2.00 p. m. | 25.696 | 71.2 | 50.6 | 36 | 0.41 | E. | 1 | 1 | Cirrus, cirro-stratus | | | Elevation, 5,503 feet. |
| | 3.00 p. m. | .687 | 73.4 | 52.4 | 35 | 0.42 | N. W. | 1 | 1 | Cirro-stratus | | | |
| | 4.00 p. m. | .682 | 70.8 | 50.2 | 35 | 0.40 | W. | 1 | 0 | | | | |
| | 5.00 p. m. | .683 | 56.0 | 43.4 | 47 | 0.34 | | 0 | 0 | | | | |
| | 6.00 p. m. | .687 | 43.2 | 34.5 | 50 | 0.23 | S. E. | 2 | 0 | | | | |
| Oct. 13 | 8.00 a. m. | .734 | 46.1 | 37.3 | 51 | 0.27 | | 0 | 0 | | | | |

*Yellowstone Division—Camp 48, near Bozeman.*

| Date. | Hour. | Barometer reduced to 32° F. | Dry bulb. | Wet bulb. | Relative humidity. | Dew-point. | Direction of wind. | Velocity of wind. | Amount of clouds. | Character of clouds. | Maximum. | Minimum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1872. | | | | | | | | | | | | | |
| Oct. 13 | 12.00 m ... | 25.376 | 66.0 | 48.4 | 38 | 0.37 | N. W. | 1 | 0 | ..... | ..... | ..... | Elevation, 4,842 feet. |
| | 1.00 p. m. | .348 | 65.6 | 48.0 | 38 | 0.37 | W. N. W. | 1 | 0 | ..... | ..... | ..... | |
| | 2.00 p. m. | .324 | 67.0 | 50.0 | 40 | 0.40 | ..... | 0 | 0 | ..... | ..... | ..... | |
| | 3.00 p. m. | .321 | 66.4 | 48.6 | 38 | 0.37 | ..... | 0 | 0 | ..... | ..... | ..... | |
| | 4.00 p. m. | .328 | 60.7 | 47.6 | 47 | 0.39 | ..... | 0 | 0 | ..... | ..... | ..... | |

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F. V. HAYDEN, U. S. GEOLOGIST IN CHARGE.

MISCELLANEOUS PUBLICATIONS—No. 2.

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DURING

## THE YEAR 1872,

IN

## UTAH, IDAHO, AND MONTANA.

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